

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus of

B.A. 1ST YEAR

ECONOMICS

SEMESTER-I & II

Dr. Khande v.B.
18.2.13

Chairman of B.A.S.

Dr. B.B. M...
B.O.S.

[Effective from 2013-14 & onwards]

Shivaji Art's, commerce & Science College Kannad

F.Y.B.A. Economics

(Revised Syllabus)

Semester – II

Total Marks: 50

Price Theory (COMPULSORY) Paper–ECO-103

OBJECTIVE:

The purpose of this paper on price theory at the B. A. level is to enable students to have an understanding of the various components regarding price determination under various types of markets. Units incorporated in this paper would enable the students to know about the theory of production, Cost and revenue analysis, forms of market and factor pricing theories.

Unit I: Theory of Production:

- 1.1 Meaning of production. Concept of Production Function,
- 1.2 The law of Variable Proportions,
- 1.3 Law of returns & returns to Scale. Internal and External Economies & Diseconomies.
- 1.4 Isoquant Curve, Properties of Isoquant curves.
- 1.5 Isocost Line, Production Possibility Curve.

Unit II: Analysis of Costs and Revenue:

- 2.1 Concepts of Costs- Fixed and variable Costs, Opportunity cost, Average and Marginal Cost.
- 2.2 Short run and Long run cost curves.
- 2.3 Modern Approach related to Short run and Long run cost curves.
- 2.4 Relation between Marginal Cost, Average Cost and Total Cost.
- 2.5 Revenue concepts: Total Revenue, Average & Marginal Revenue.
- 2.6 Equilibrium of the Firm – Short run and Long run.

Unit III: Market

- 3.1 Meaning & classification
- 3.2 Perfect Competition: concept - Characteristics, price determination in short and long run, Equilibrium of the firm and industry.
- 3.3 Monopoly- Concept, Characteristics and short and long run Equilibrium, price determination, Price discrimination.
- 3.4 Monopolistic Competition: concept, Characteristics and short & long run Equilibrium of Firm, Group Equilibrium, Selling cost.

S-[F] NPW-02 June-2013-14 All Syllabus SOCIAL SCIENCES B.A. Economics First Year Sem.-I & II.doc
- 10 -

- 3.5 Oligopoly – Concept, Characteristics
- 3.6 Duopoly: - Concept & Characteristics.

Unit IV: Factor Pricing.

- 4.1 Marginal Productivity theory of Distribution.
- 4.2 Rent – Concept -Ricardian Theory of Rent, Modern Theory of Rent, Quasi Rent..
- 4.3 Wages – Concept, Types – Modern theory of wages, wage differentials and Collective Bargaining.
- 4.4 Interest –Concept, Loanable funds theory and Keynes's Liquidity preference theory.
- 4.5 Profit – Concept, Risk and uncertainty theory and Innovation theory.

Unit V: Pricing Methods:

- 5.1 Pricing Methods: Marginal Cost Pricing - Full Cost Pricing - Multi product pricing
– Limit Pricing.
- 5.2 Bain's Model.

Shivaji Art's, commerce & Science College Kannad

F.Y.B.A. Economics

(Revised Syllabus)

Semester – II

Total Marks: 50

MONEY BANKING AND FINANCE (COMPULSORY) Paper– ECO-104

OBJECTIVE:

Money and banking constitutes important components of modern economy. A clear understanding of the operations of money and banking and their interaction with the rest of the economy is essential to realize how monetary forces operate. The paper on money and banking is essential for students to understand the monetary and banking system in India.

Unit – I: Meaning & Function of Money:

- 1.1 Meaning, Definition and Functions.
- 1.2 Types of Money.
- 1.3 Paper currency and kinds of Paper currency.
- 1.4 Methods of Note Issue – Principles of note issue and Paper Currency Standards.
- 1.5 Gresham's Law.

Unit – II: Banking in India:

- 2.1 Meaning and Definitions of Bank.
- 2.2 Banking Structure in India.
- 2.3 Commercial Banking – Functions, Credit Creation – process, purpose and limitations, Principles of Commercial Banks - Liquidity, Profitability and Safety.
- 2.4 Functions of Foreign Banks, Regional Rural Banks, District Central Cooperative Banks, Primary Agricultural Cooperative Credit Societies, State Cooperative Banks and NABARD.
- 2.5 New Concepts in Banking – Core banking, ATM, Credit Card, E-banking and Internet banking.

Unit – III: Reserve Bank of India:

3.1 Meaning and Functions of Reserve Bank of India.

3.2 Money measures – M1, M2, M3, & M4.

S-[F] NPW-02 June-2013-14 All Syllabus SOCIAL SCIENCES B.A. Economics First Year Sem.-I & II.doc
- 13 -

3.3 Organization and Management of R.B.I.

3.4 Monetary Policy – Meaning, Objectives

3.5 Methods of Credit Control – Qualitative and Quantitative.

S-[F] NPW-02 June-2013-14 All Syllabus SOCIAL SCIENCES B.A. Economics First Year Sem.-I & II.doc
- 14 -

Unit – IV: Money Market Capital Market in India:


4.1 Meaning, Structure and Functions.

4.2 Components of Money Market, Role of the Money Market,-Money Market Reforms in India.

4.3 Capital Market – Meaning, Nature and functions of Indian Capital Market.


4.4 Stock Market – Meaning and functions of stock Market.

4.5 Functions of Securities Exchanges Board of India (SEBI).


**Babasaheb Ambedkar
 Marathwada University,
 Aurangabad**

Syllabus of Economics
B. A. Second Year
Semester - III & IV

[Effective from the Academic Year 2014-15 & Onwards]


Dr. Dattaraj Avjore
(Chairman Economics)

**DR. BABASAHEB AMBEDKAR MARATHAWADA UNIVERSITY,
AURANGABAD.**

**Economics
B.A. II YEAR**

Semester III & IV

REVISED SYLLABUS - EFFECTIVE FROM 2014-2015

Paper No.	Title of the Paper	Periods Allotted	Marks
Semester III			
ECO-105	Macro Economics (Compulsory)	60	50
ECO-106	Development Economics (Compulsory)	60	50
Semester IV			
ECO - 107	Public Finance (Compulsory)	60	50
ECO - 108	Statistical Methods (Compulsory)	60	50

Chairman,



(Dr. D. S. Arjune)
B.O.S., Economics,
Dr. Babasaheb Ambedkar Marathwada
University,
Aurangabad.

S. Y. B.A. Economics

(Revised Syllabus)

Semester – IV

ECO – 107: Public Finance (Compulsory)

Marks: 50

Objective:

This paper would provide understanding about the significance and scope of Public Finance. The main objective of this paper is to provide detailed information to students about the fiscal policy, public revenue, public debt and public expenditure.

Unit – I: Introduction:

- 1.1 Meaning, nature and scope of public finance.
- 1.2 Importance of public finance.
- 1.3 Difference between private, public finance, private, public and merit goods.

Unit – II: Public Revenue:

- 2.1 Sources of public revenue.
- 2.2 Taxation –Direct and Indirect tax, objectives of taxation, canons of taxation, classification of taxes.
- 2.3 Division of tax burden – The benefit theory and ability to pay theory, impact and incidence and effects of taxation.

Unit – III: Public Expenditure:

- 3.1 Meaning and classification of public expenditure.
- 3.2 Principles of public expenditure.
- 3.3 Role of public expenditure in developing economy, effects of public expenditure.

GCO-107

Unit – IV: Public Debt:

- 4.1 Concept and importance of public debt, comparison between public debt and private debt.
- 4.2 Sources, causes and effects of public debt.
- 4.3 Debt burden and its management, redemption of bank debt.

Unit – V: Union Budget:

- 5.1 Meaning, objectives and components of union budget.
- 5.2 Types of budget – balanced, surplus, deficit and zero base budget, Concept of Gender Budget.
- 5.3 Current Central Government budget of India.

Basic Reading List:

1. Atkinson A .B. and J. E. Stiglitz (1980), Lectures on public Economics, Tata McGraw Hill, New York.
2. Buchanan J.M. (1970), The Public Finances, Richard D Irwin Homewood.
3. Jha R. (1998), Modern Public Economics : Routledge London.
4. Musgrave, R.A. (1959), The Theory of Public Finance, McGraw Hill, Kogakusha Tokyo.
5. Musgrave, R.A. and P.B. Susgrave (1976), Public Finance in Theory and practice, McGraw Hill Kogakusha Tokyo.
6. Auerbach, A.J. and M. Feldstren (Eds) (1985), Handbook of Public Economics Vol.-I North Halland, Amsterdam.
7. Goode R. (1986), Government Finance in Developing countries, Tata McGraw Hill, New York.
8. Cutt, J. (1996), Taxation and Economic Development in India, Prager Publishers, New York.
9. Friedman, A. (1986), Welfare Economics and Social Choice Theory, Martins Nijhoft, Bostan.
10. Premchand A. (1966), Control of Public Expenditure in India, Allied publishers, New Delhi.

**S.Y.B.A. Economics
(Revised Syllabus)**

Semester – IV

ECO – 108 Statistical Methods (Compulsory)

Marks: 50

Objective:

The main objective of this paper named Statistical Methods is to train the students to use the techniques of statistical analysis which are commonly applied to economic problems. Statistical Methods paper also deals with simple tools and techniques, which will help the students in data collection, presentation, analysis and drawing inferences about various statistical hypotheses.

Unit – I: Introduction:

- 1.1 Meaning and nature of statistics.
- 1.2 Scope and importance of statistics.
- 1.3 Collection of data – Primary and Secondary data.

Unit – II: Measures of Central Tendency:

- 2.1 Types of series – Simple, Discrete and Continuous series.
- 2.2 Arithmetic mean- its merits and demerits.
- 2.3 Median and Mode – its merits and demerits.

Unit – III: Measures of Dispersion:

- 3.1 Range, Mean deviation.
- 3.2 Standard deviation.
- 3.3 Variance, Co-efficient of Variation.

108

Unit - IV: Correlation Analysis:

- 4.1 Meaning and types of correlation.
- 4.2 Karl Pearson's coefficient of correlation.
- 4.3 Properties of correlation of coefficient.

Unit - V: Index Number: ✓

- 5.1 Meaning of Index Number.
- 5.2 Uses and limitations of Index Number.
- 5.3 Laspeyre's, Pasche's and Fisher's Ideal Index Numbers.

Basic Reading List:

1. Allen, R. G. D. (1974), Mathematical Analysis for Economists, Macmillan Press, London.
2. Croxton, F.E., D.J. Cowden and S. Klein (1973), applied General Statistics, Prentice Hall, New Delhi.
3. Gupta S.C. and Kapoor V. K. (1993), Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.
4. Monga G.S. (1972), Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
5. Speigal, M.R. (1972), Theory and problems of Statistics, McGraw Hill Book, London.
6. Good, A.M., Gupta M. K. and Dasgupta B. (1987), Fundamentals of Statistics, Vol. 1 (Sixth Revised ed.), The World Press Pvt. Ltd.

Dr. Dilip Arjuna
Chairman Economics

Dr. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD



Revised Syllabus of
Economics
B.A - Third Year
SEMESTER – V and VI

[Progressively Effect from 2015-16 & onwards]

Dr. Dileep Arjune
B.O.S. Chairman in
Economics

Revised Structure of Syllabus and Papers

for

ECONOMICS

Syllabus of B.A. Third Year

Semester System

A] 50 marks for each paper.

B] Semester-Wise examination will be of 120 minutes for each paper.

Paper No.	Title of the Paper	Credit Allotted	Periods	Marks
<i>Semester – Fifth</i>				
Eco -109	International Economics (Compulsory)	04	60	50
Eco -110	Agricultural Economics (Compulsory)	04	60	50
Eco – 111	History of Economic Thought (Optional) OR	04	60	50
Eco -111(A)	Mathematical Economics OR	04	60	50
Eco- 111(B)	Labour Economics	04	60	50
Eco – 112	Project Works (Annually)	04	60	--

B.A. Third Year
(Economics)

SEMESTER – V

ECO – 109 International Economics (Compulsory)

Objectives:

This paper provided the students a through understanding and deep knowledge about the basic principles that tend to govern the free flow of trade in goods and services at the global level. The contents of this paper, spread over various units, lay stress both on theory and applied nature of the subject that have registered rapid changes during the last decade.

Unit I : Importance of Trade and Trade Theories:

Importance of the study of international economics, Inter-regional and international trade, Theories of absolute advantage, Comparative advantage and opportunity cost, Heckscher-Ohlin theory of trade – its main features, assumptions and limitations

Unit II : Gains from Trade:

Gains from trade- Their measurement and distribution, Trade as an engine of economic growth, concepts of terms of trade and their importance in the theory of trade

Unit III : Tariffs and Quotas:

Types of tariffs and quotas, their impact in partial equilibrium analysis, Free trade and policy of tariff in relation to economic growth with special reference to India

Unit IV : Balance of Payment:

Concept and components of balance of payments, Equilibrium and disequilibria in balance of payment, consequences of disequilibrium in balance of payments, Various measures to correct deficit in the balance of payments, Relative merits, Demerits and limitations of devaluation

BASIC READING LIST:

- Kenan, P.B. (1994), *The International Economy*, Cambridge University Press, London.
- Kindleberger, C.P. (1973), *International Economics*, R.D. Irwin, Home Wood.
- Krugman, P.R. and M. Obstfeld (1994), *International Economics: Theory and Policy*, GJenview, Foresman.
- Salvatore D.L. (1997), *International Economics*, Prentice Hall, Upper Saddle River, N.J.
- Sodersten, B.O. (1991), *International Economics*, Macmillan Press Ltd., London.

ADDITIONAL READING LIST:

- Aggrawal, M.R. (1979), *Regional Economics Co-operation in South Asia*, S. Chand and Co. , New Delhi.
- Bhagwati, J. (Ed.) (1981), *International Trade Selected Readings*, Cambridge University Press, Mass.
- Crockett, A. (1982), *International Money: Issue and Analysis* ELBS and Nelson, London.
- Greenway, D. (1983), *International Trade Policy*, Macmillan Publishers Ltd., London.
- Heller, H.R. (1968), *International Monetary Economics*, Prentice Hall, India.
- Joshi, V. and I.M.D. Little (1998), *India's Economic Reforms, 1999-2001*, Oxford University Press.
- Nayyar, D. (1976), *India's Exports and Export Policies in the 1960's*, Cambridge University Press, Cambridge.

- Panchmukhi, V.R. (19780, Trade Policies of India: A Quantitative Analysis, Concept Publishing Company, New Delhi.

ECO – 110 Agricultural Economics (Compulsory)

Objectives:

The objective of this paper is to provide a detailed treatment of issues in agricultural economics to those intending to specialize in the area. Its objective is to familiarize students with policy issues that are relevant to Indian agricultural economics and enable them to analyze the issues, using basic micro-economic concepts.

Unit: I Development of Agriculture:

Role and importance of agriculture in economic development; Linkages between the agriculture sector and the non-agriculture sector, Agricultural resources in India, Land utilizations and cropping pattern, Trends in agricultural growth and agricultural productivity, concept of contract farming.

Unit: II Technology in Agriculture:

Technology in Agriculture- traditional techniques and practices, HYV seeds- fertilizers – water technology (Green revolution), sustainable agriculture, Dry land farming, Size of holdings in India and Maharashtra.

Unit: III State and Agriculture:

Agricultural Price Policy, Nature of demand and supply of agricultural product, price instability, Objectives of Agricultural Price Policy, food security in India and public distribution system, Agricultural subsidy.

Unit: IV Fifty Years of Indian Agriculture:

An overview of agricultural development, Under employment and unemployment in the rural economy, Globalization of Indian economy and its effects on Indian agriculture.

BASIC READING LIST:

- Bilgrami S.A.R. (2000), An Introduction to Agricultural Economics, (2nd Edition), Himalaya Publishing House, Mumbai.
- Sadhu A. N. and J. Singh (2000), Agricultural Problems in India, (3rd Edition), Himalaya Publishing House, Mumbai.
- Sundaram I.S. (1999), Rural Development, (3rd Edition), Himalaya Publishing House, Mumbai.
- Takle S.R. and Bhise V.B. (2007), Behaviour of Market Prices of Agricultural Commodities, Serial Publications, New Delhi.

ADDITIONAL READING LIST:

- Government of India, Economic Survey, (Annual), New Delhi.
- Government of India, Ninth Five Year Plan (1997-2000), Vol. I & II, Planning Commission, New Delhi.
- Reserve Bank of India, Hand Book of Statistics of Indian Economy (Annual).
- Sony R.N. (2000), Leading Issues in Agriculture, Arihant Press, Jalandhar.

ECO – 111 History of Economic Thought (Optional)

Objectives:

This paper deals with basic ideas of classical, new classical and marginalist economist. The object of this paper is to understand students the basic economic ideas of various economic thinkers of the world.

Unit: I Early Period:

Mercantilism: Main characteristics; Thomas Mun – Physiocracy; natural order; primacy of agriculture, social classes, tableau economique, taxation.

Unit: II Classical Period:

Adam Smith- division of labour, theory of value, Capital accumulation, distribution, views on trade, Economic progress; David Ricardo- value, theory of rent, distribution, ideas on economic development and international trade; Tomas R. Malthus- Theory of Population; Karl Marks- dynamics of social change, theory of value, surplus value, profit and crisis of capitalism, Economic ideas of J. B. Say.

Unit: III Marginalists:

Marshal as a great synthesizer; role of time in price determination, economic methods, ideas on consumer's surplus, elasticities, prime and supplementary costs, representative firm, external and internal economies, quasi-rent, organization as a factor of production, nature of profits.

Unit: IV Keynesian Ideas:

The aggregate economy, Liquidity preference Theory and Liquidity trap; Marginal efficiency of capital and marginal efficiency of investment, wage rigidities under employment equilibrium, role of fiscal Policy; deficit spending and public works, multiplier principle.

BASIC READING LIST:

- Blackhouse, R. (1985), A History of Modern Economic Analysis, Basil Balackwell – Oxford.
- Gide C. and G. Rist (1956), A History of Economic Doctrines, (2nd Edition), George Harrop & Co., London.

ECO – 112 Project Work (Annually)

Objectives: This course will inform students about the project writings skill as per the study of research methodology techniques. It's also deals with the deep study of specific topic.

Note: **Teacher should work as per the following guidelines:**

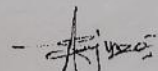
1. The concern subject teacher should provide outline of the project work to the students.
2. The concern subject teacher should allot the topic of project work separately to each student.
3. The concern teacher should be guidance to the students regarding How to prepare project work in regular period activity in this semester. Project evaluation will be done by external and internal examiners at the end of VIth semester Examination.
3. Outline of the Project Work is as follows:
 - i) Title of the Project
 - ii) Introduction
 - iv) Importance of the topic
 - iii) Objectives
 - v) Research Methodology
 - vi) Analysis and Discussion
 - vii) Conclusion
 - viii) References
4. Written work of Project should be around 40 to 50 pages in own hand written along with certificate by concerned teacher and Head of the Department.
5. Workload of Project Work should be 04 periods per week.

Dr. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD



Revised Syllabus of
Economics
B.A - Third Year
SEMESTER – V and VI

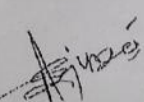
[Progressively Effect from 2015-16 & onwards]

- 
Dr. Deleep Arjune
B.O.S. Chairman in
Economics

Paper No.	Title of the Paper	Credit Allotted	Periods	Marks
	<i>Semester – Sixth</i>			
Eco – 113	Research Methodology	04	60	50
	OR			
Eco-113 (A)	Regional Economics			
Eco – 114	Industrial Economics	04	60	50
	OR			
Eco- 114 (A)	Foreign Trade and International Institutions	04	60	50
Eco – 115	Indian Economic Thinker	04	60	50
	OR			
Eco – 115 (A)	Economic Thoughts of Dr. B.R. Ambedkar and Mahatma Phule	04	60	50
	OR			
Eco- 115(B)	Econometrics	04	60	50
	OR			
Eco- 115 (C)	Economy of Maharashtra			
Eco – 116	Project Work (Annual Assessment)	04	60	100

Note:

- 1] One period of 50 minutes.
- 2] 15 periods = 01 credit
- 3] 04 credits = 60 periods
- 4] Each paper is comprised of 04 credits.


[Dr. Arjune Dilip]

Chairman

Board of Studies in Economics
Dr. Babasaheb Ambedkar
Marathwada University, Aurangabad

B.A.T.Y. SEMESTER - VI

ECO – 113 Research Methodology

Objectives:

The main objective of this paper is to provide information about social sciences research to the students of economics. This paper deals with importance of social research, research design, data collection and presentation of data.

Unit: I Introduction:

Meaning, nature, scope and objectives of social science research, Theory, concepts, hypothesis, stages of scientific research, Motivating factors of social research.

Unit: II Research Design:

Meaning and need of research design; Types of research design (only introduction)– descriptive, exploratory, diagnostic and experimental.

Unit: III Data Collection:

Facts- features; Primary data collection methods- Direct observation, questionnaire, schedule, interview; Secondary data collection methods- Personal documents, Public documents and Limitations.

Unit: IV Data Presentation and Analysis:

One– dimensional diagrams; Two– dimensional diagrams; Graphs of time series; Graphs of frequency distribution.

BASIC READING LIST:

- Kothari, C.R. (1988), *Research Methodology Method and Techniques*, Wiley Eastern Limited, New Delhi.
- Ghose, B.N. (1982), *Scientific Methods and Social Research*, Sterling Publishers Pvt. Ltd., New Delhi.
- Goode William J. and Hatt, Paul (1952), *Methods in Social Research*, McGraw Hill, New York.
- Gopal, M.H. (1964), *An Introduction to Research Procedure in Social Sciences*, Asia Publishing House, Mumbai.

Objectives:

In the contemporary world with globalization and liberalization more and more attention is being given to industry. This paper intends to provide knowledge to the students on the basic issues such as concepts and organization of a firm, productivity, efficiency, capacity utilization and debates involved in the industrial development of India.

Unit I: Introduction:

Need, importance and role of industries in economic and social development, Industry and agriculture sector linkages, Industrial classification.

Unit II: Industrial Organization and Ownership Structure:

Public, Private, Joint and Co-operative sectors, private corporate sector, MNCS and their role.

Unit III: Location and Dispersion:

Location of industries - Theories of location, diversification, integration and merger of industrial units, Dispersion and problem of regional imbalance.

Unit IV: Composition of Industrial Sector:

Structure of large - scale industries in India. Sugar, Cotton, Iron and Steel, Agro Processing Industries, Cottage and Village Industries and Rural industrialization.

BASIC READING LIST:

- Barthwal, R.R. (1992), Industrial Economics: An Introductory Text Book, Wiley Eastern Ltd. New Delhi.
- Cherunilam, F. (1994), Industrial Economics: Indian Perspective, (3rd Edition), Himalaya Publishing House, Mumbai.
- Desai, B. (1999), Industrial Economy in India, (3rd Edition), Himalaya Publishing House, Mumbai.

ECO-115: Indian Economic Thinkers

Objectives:

This paper is essential for a student who aspires for advanced training in economics in India. The evolution of economic idea in each instance was as much a response to immediate economic problems and policy issues as much as it was a self-conscious attempt to refine earlier analysis by correcting mistakes and filling in the gaps in analysis.

Unit- I: Economic Thought of Koutilya:

Economic policies, concept of welfare state, principle of taxation.

Unit- II: Economic Ideas of Nauroji, Ranade and Datt:

Economic ideas of Dadabhai Nauroji – contribution to economic policies, Drain Theory, M.G. Ranade- Economic policies, political economic policies. R.C. Dutt- Economic ideas. Manvendra Roy- Economic ideas and concept of new humanism.

Unit- III: Economic Ideas of Mahatma Gandhi:
Economic ideas of Mahatma Gandhi– Sarvodaya, Village Swaraj, Swadeshi. Dr. B.R.Ambedkar- State socialism, Problems of Rupee, Public finance. Mahatma Phule's views on agriculture, reasons of farmer's poverty. D.R. Gadgil- Economic planning & co-operation, Y.B. Chavan: Thoughts of agriculture, industries & socialism.

Unit- IV: Economic Thoughts of Amartya Sen:
Economic welfare, Social Choice.

ECO- 116 Project Work (Annual Assessment)

Objectives: This course will inform students about the project writings skill as per the study of research methodology techniques. It's also deals with the deep study of specific topic.

Note:

1. The evaluation of completed project works and presentation examination will be done in the presence of external examiner appointed by University Authority. Scheme of marking will be done as per the following manner.
 - A) Project Report : 80 marks
 - B) Presentation : 20 marks
 2. Schedule of project work of examination will be in the month of February (at the end of VIth semester).
 3. Passing criteria will be 40 marks out of 100 marks.
-

S-19 June & 6 July 2012 AC after Circulars from Circular No.84 & onwards - 28 -
DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
 CIRCULAR NO.ACAD/NP/ Syll./Pract. Subject/Soc Sci./95/2012

It is hereby notified for the information of all concerned that, on the recommendations of the Boards of Studies, Ad-hoc Boards and Faculty of Social Sciences, the Academic Council at its meeting held on 19-06-2012 has accepted the following Syllabi with Annual Pattern for Practical Examination for B.A. First Year progressively under the Faculty of Social Sciences :-

Sr. No.	Revised Syllabus
[1]	B.A. Library and Information Science,
[2]	B.A. Military Science,
[3]	B.A. Home Science,
[4]	B.A. Geography,
[5]	B.A. Psychology.

The said syllabi appended herewith.

This is effective from the academic year 2012-2013 and onwards.

These syllabi are also available on the University Website

www.bamu.net

All concerned are requested to note the contents of this circular for their information and necessary action.

University Campus, ★
 Aurangabad-431 004. ★
 REF.NO.ACAD/NP/SOCIAL SCI./ ★
 2012/20235-645 ★
A.C.M.A.I.Nos.5,6,28,29,31. ★

Date:- 02-08-2012. ★


 Director,
 Board of College and
 University Development.

Copy forwarded with compliments to:-

- 1] The Principals, affiliated concerned Colleges,
 Dr. Babasaheb Ambedkar Marathwada University
- 2] The Director, University Network & Information Centre, UNIC, with **a request to upload the above all syllabus on University website [www.bamu.net].**

Copy to :-

- 1] The Controller of Examinations,
- 2] The Superintendent, [B.A. Unit],
- 3] The Superintendent, [Eligibility Unit],
- 4] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
 Dr. Babasaheb Ambedkar Marathwada University.
- 5] The Record Keeper,
 Dr. Babasaheb Ambedkar Marathwada University.

S-Cover Page Ist Year

- 1 -

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus of

B.A. IST YEAR

PSYCHOLOGY

SEMESTER-I & II

[Effective from 2012-13 & onwards]

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
PSYCHOLOGY
Curriculum Structure and Scheme of Evaluation for - B. A.
With effective from 2012-13.

SEMESTER – I									
Unit.	Course Code	Name of the Subject	Scheme of Teaching (Periods/Week)				Scheme of Evaluation (Marks)		
			L	P	Total Periods	Total Credits	Theory	Pract/ Viva- Voce	Total Marks
Unit I.	PSY 101	General Psychology	4	-	4	4	30	-	30
Unit II.	PSY 102	Social Psychology	4	-	4	4	30	-	30
Unit I & II	PSY 103	Psychology Practicum's : Experiments & Test	-	4	4	4	-	-	-
(A) Total of Semester – I			8	4	12	12	60	-	60
SEMESTER – II									
Unit.	Course Code	Name of the Subject	Scheme of Teaching (Periods/Week)				Scheme of Evaluation (Marks)		
			L	P	Total Periods	Total Credits	Theory	Pract/ Viva- Voce	Total Marks
Unit I.	PSY 104	Basic Concepts in Psychology	4	-	4	4	30	-	30
Unit II.	PSY 105	Basic Concepts in Social Psychology	4	-	4	4	30	-	30
Unit I & II	PSY 103 & PSY 106	Psychology Practicum's : Experiments & Test	-	4	4	4	-	80	80
(B) Total of Semester – II			8	4	12	12	60	80	140

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

PSYCHOLOGY

SYLLABUS FOR - B.A.

With effective from 2012-13.

B. A. First Semester

Course – I

Unit	Course Code	Title of the Paper	Credits	Marks
Unit I	PSY 101	General Psychology.	4	30
Unit II	PSY 102	Social Psychology.	4	30
Unit I & II	PSY 103	Psychology Practicum's: Experiments & Tests	4	-

Note: -

1. For theory papers 1 credit = 15 periods.
2. For practical's 1 credit = 30 periods.
3. One period comprises 50 minutes duration.
4. For Psychology Practicum's/Experiments/Tests : There shall be a batch of 12 students.
5. There shall be a combined Practical Examination of both semesters annually.

Syllabus for B.A. (Semester – I)
Course I, Unit I
PSY 101 – General Psychology.
 With effective from 2012-13.

Marks-30

Objectives: -

1. To provide solid foundation for the basic principles of psychology.
2. To familiarized students with the historical trends in psychology, major concepts, theoretical perspectives, empirical findings.
3. To provide an overview of the applications of psychology.

1. The Science of Psychology: -

Credit 1

- i. What is Psychology? -
 - a. Definition & goals
 - b. Types of psychological professionals
- ii. Historical Perspectives in Psychology
 - a. Structuralism
 - b. Functionalism
 - c. Gestalt
 - d. Psychoanalysis
- iii. Modern Perspectives in Psychology
 - a. Behavioural
 - b. Humanistic
 - c. Biopsychosocial
 - d. Cognitive
- iv. Scientific Methods
 - a. Steps in scientific methods
 - b. Descriptive methods: Naturalistic, Observation, Case Studies
 - c. Experimental method: Laboratory experiment and field experiment
- v. Application: How to enhance your academic performance

2. Biological Foundation of Behaviour: -

Credit 1

- i. Neuron: Structure and function, synapse, neurotransmitters
- ii. Central Nervous System
 - A. The Brain
 - a. Structure and function of the brain
 - b. Cerebral hemispheres
 - B. The Spinal Cord: Structure and function
 - a. Autonomous Nervous System
 - b. Somatic Nervous System
- iii. Glandular system: Pituitary, Thyroid, Parathyroid, Adrenal, Pancreas, Gonads.
- iv. Application: Peeking inside the brain – Clinical studies; EEG, CT, MRI, and PET.

3. Sensation and Perception: -

Credit 1

- i. Sensation
 - a. Definition
 - b. Sensory receptors
 - c. Sensory threshold
 - d. Subliminal perception
 - e. Habituation
 - f. Sensory adaptation
- ii. Definition of perception
- iii. Perceptual constancies: Size, shape and brightness

- iv. Gestalt principles of perception
- v. Perceptual illusion
 - a. Geometrical, movement
- vi. Application: Thinking about extra-sensory perception

4. Motivation and Emotion: -

Credit 1

- i. Definition of motivation
 - a. Concept of homeostasis
 - b. Maslow's hierarchy of needs
- ii. Types of motives
 - a. Physiological- Hunger, thirst, sleep, sex
 - b. Social - Achievement, affiliation, power, and aggression & hostility
- iii. Frustration and Conflict
- iv. Emotion
 - A. Definition
 - B. Elements of emotion
 - a. Physiology of emotion
 - b. Behavioural expression of emotion
 - c. Subjective experience
- v. Application: Being happy

Source Books: -

1. Ciccarelli, S. & Meyer, G. E. (2006). *Psychology*. New Delhi: Pearson Education.
2. Feldman, R. S. (8th ed.) (2008). *Understanding Psychology*. TMH.
3. Passer, M. W. & Smith, R. E. (2007). *Psychology: The Science of Mind and Behaviour*. New Delhi: Tata McGraw-Hill.
4. Coon, D. & Mitterer, J. O. (2007). *Introduction to Psychology: Gateways to Mind and Behaviour*. Singapore: Thomson Wadsworth.

Reference Books: -

1. Lahye, B. B. (2003). *Psychology: An Introduction*. New Delhi: Tata McGraw-Hill.
2. Smith, D. B. (1908). *Psychology: Science and Understanding*. Boston: McGraw-Hill.
3. Smith, E. E., Hocksema, S. N., Fredrickson, B. & Loftus, G. R. (2003). *Atkinson and Hilgard's Introduction to Psychology*. Singapore: Thompson Wadsworth.
4. Zimbardo, P.G. and Weber, A. L. (1997). *Psychology*. N. Y.: Longman.
5. Baran, R. A. (2001). *Psychology*. New Delhi: Pearson Education Pvt. Ltd.
6. Morgan, C. T., King, R. A., Weisz, J. R. & Schopler, J. (1986). *Introduction to Psychology*. McGraw-Hill Book Co.
7. Benjamin, L. T. (1997). *History Of Psychology: Original Sources and Contemporary Research*. New Delhi: McGraw-Hill Companies.
8. Bernstein, D. A., Roy, E. J., Wickens, C. D. and Srull, T. K. (1988). *Psychology*. Boston: Houghton Mifflin co.
9. Pandit, Kulkarni and Gore (1999). *Samanya Manasashastra*. Nagpur: Pimpalpure Pub.
10. Bacchav, Badgujar & Shinde (2001). *Samany Manasashastra*. Nashik: Swayambhu Prakashan.
11. Inamdar, M. K., Gadekar, K. N. & Patil, A. M. (2005). *Adhunik Manasashastra*. Pune: Diamond Publication.
12. Padhye, V. S. (2004). *Manasashastra-Ek Parichay*. Aurangabad: Renuka Prakashan.
13. Abhyankar, S. , Amruta oak & Golvilkar, S. (2006). *Manasashastra*. New Delhi: Pearson Education

Syllabus for B.A. (Semester – I)
Course I, Unit II
PSY 102 – Social Psychology.
With effective from 2012-13.

Marks-30

Objectives: -

1. To enable student to appreciate how individual behaviour is influenced by social and cultural contexts.
2. To enable student to develop an understanding of functioning of dyads, groups and organization.
3. To understand the unique features of the Indian socio-cultural context.
4. To understand how social problems can be analyzed in terms of various social psychological theories.

1) INTRODUCING SOCIAL PSYCHOLOGY

Credit 1

- i) What Is Social Psychology?
 - (a) Big questions in social psychology
 - (b) Some big ideas in social psychology
- ii) Social Psychology And Related Disciplines
 - (a) Social psychology and sociology
 - (b) Social psychology and personality psychology
 - (c) Levels of explanation.
- iii) Social Psychology And Human Values
 - (a) Obvious ways values enter psychology
 - (b) Not-so-obvious ways values enter psychology
- iv) Research Methods : How We Do Social Psychology
 - (a) Forming and testing hypotheses
 - (b) Correlational research: detecting for cause and effect

2) BEHAVIOUR AND ATTITUDES

Credit 1

- i) Do Our Attitudes Determine Our Behaviour?
 - (a) Are we all hypocrites?
 - (b) When attitudes predict behavior
- ii) When Does Behaviour Determine Attitudes?
 - (a) Role playing
 - (b) When saying becomes believing
 - (c) Focus on : saying becomes believing
 - (d) The foot-in-the-door phenomenon
 - (e) Evil acts and attitudes
 - (f) Interracial behaviour and racial attitudes
 - (g) Social movements
- iii) Why Does Our Behavior Affect Our Attitudes?
 - (a) Self-presentation: impression management
 - (b) Self-justification: cognitive dissonance
 - (c) Self-perception
 - (d) Comparing the theories.

3) CONFORMITY

Credit 1

- i) What Is Conformity?
- ii) What Are The Classic Conformity Studies?
 - (a) Sherif's studies of norm formation
 - (b) Asch's studies of group pressure
 - (c) Milgram's obedience experiments

- (d) What breeds obedience?
- iii) What Predicts Conformity?
 - (a) Group size
 - (b) Unanimity
 - (c) Cohesion
 - (d) Status
 - (e) Public response
 - (f) No prior commitment
- iv) Why Conforms?
- v) Why Conforms?
 - (a) Personality
 - (b) Culture
- vi) How Can We Resist Social Pressure To Conform?
 - (a) Reactance
 - (b) Asserting uniqueness

4) GROUP INFLUENCE

Credit 1

- i) What Is A Group?
- ii) Social Facilitation: How Are We Affected By The Presence Of Others?
 - (a) The mere presence of others
 - (b) Crowding : the presence of many other
 - (c) Why are we aroused in the presence of others/
- iii) Social Loafing: Do Individuals Exert Less Effort In A Group?
 - (a) Many hands make light work
 - (b) Social loafing in everyday life
- iv) Deindividuation: When Do People Lose Their Sense Of Self In Groups?
 - (a) Doing together what we would not do alone
 - (b) Diminished self- awareness
- v) Group Polarization: Do Groups Intensify Our Opinions?
 - (a) Do groups intensity opinions?
 - (b) Explaining polarization
- vi) Groupthink: Do Groups Hinder Or Assist Good Decisions?
 - (a) Symptoms of groupthink
 - (b) Critiquing groupthink
 - (c) Preventing groupthink
 - (d) Group problem solving

Sources Book: -

1. Myers, D.G. (2006). *Social Psychology*. (8th ed) New Delhi: Tata McGraw-Hill.
2. Myers, D.G. (1996). *Social Psychology*. (5th ed) New Delhi: Tata McGraw-Hill.
3. Baron, R. A. & Bryne, D. (2005). *Social Psychology*. (10th Ed) New Delhi: Prentice Hall of India.

Reference Book: -

1. Baron, R. A., Bryne, D., & Branscombe, N. R. (2007). *Social Psychology*. (11th Ed) New Delhi: Pearson Education.
2. Singh, A. K., *Saamaajik manavidnyaan* New Delhi: Motilal Banarasidas
3. Palsane, M.N., & Talwalkar, V. (2000) *Samajik Manasashastra* Pune: Continental Prakashan
4. Kool, V.K. & Agraval, R. (2006). *Applied Social Psychology*. New Delhi: Atlantic Publishers.
5. Dr. Golvilkar . S. , Dr. Abhyankar .S., Kher . T. : (2012) *Samajik Manashastra*, Narendra Publication, Pune.

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

PSYCHOLOGY

SYLLABUS FOR - B.A.

With effective from 2012-13.

B. A. Second Semester

Course – II

Unit	Course Code	Title of the Paper	Credits	Marks
Unit I	PSY 104	Basic Concepts in Psychology.	4	30
Unit II	PSY 105	Basic Concepts in Social Psychology.	4	30
Unit I & II	PSY 106	Psychology Practicum's: Experiments & Tests	4	-

Note: -

1. For theory papers 1 credit = 15 periods.
2. For practical's 1 credit = 30 periods.
3. One period comprises 50 minutes duration.
4. For Psychology Practicum's/Experiments/Tests: There shall be a batch of 12 students.
5. There shall be a combined Practical Examination of both semesters annually.

Syllabus for B.A. (Semester – II)
Course II, Unit I
PSY 104 – Basic Concepts in Psychology.
With effective from 2012-13.

Marks-30

Objectives: -

1. To provide solid foundation for the basic principles of psychology.
2. To familiarized students with the historical trends in psychology, major concepts, theoretical perspectives, empirical findings.
3. To provide an overview of the applications of psychology.

1. Personality: -

Credit 1

- i. Definition of Personality
- ii. Theories of Personality
 - a. Freud's Psychoanalytic Theory
 - b. Allport's Theory
 - c. Cattell's Theory
 - d. The Big Five Model
- iii. Assessment of Personality (I)
 - A. Personality Inventories
 - a. 16 PF
 - b. MMPI
 - c. NEO-PI
- iv. Assessment of Personality (II)
 - A. Behavioural assessment
 - a. Observation
 - b. Rating
 - B. Projective techniques
 - a. TAT
 - b. Rorschach's Ink Blot Test
 - c. Sentence Completion Test
- v. Application: Increasing self efficacy through goal setting

2. Learning: -

Credit 1

- i. Definition of learning
- ii. Classical conditioning
 - a. Pavlov's experiment
 - b. Extinction
 - c. Spontaneous recovery
 - d. Generalization
 - e. Discrimination
 - f. Higher-order conditioning
- iii. Operant conditioning
 - a. Thorndike's laws of learning
 - b. Skinner's experiment
 - c. Positive reinforcer
 - d. Negative reinforcer
 - e. Schedules of reinforcement
 - f. Shaping
- iv. Cognitive learning theories
 - a. Tolman, Kolher
 - b. Observational learning theory (Bandura)
- v. Application of Classical and Operant Conditioning

3. Memory: -**Credit 1**

- i. Definition and process
- ii. Types of memory
 - a. Sensory memory
 - b. Short term memory
 - c. Long term memory
- iii. Types of long term memory
 - a. Procedural
 - b. Declarative (Episodic, Semantic)
 - c. Explicit and Implicit
- iv. Forgetting:
 - a. Course of forgetting (Ebbinghaus' forgetting curve)
 - b. Cause of forgetting
 - c. Encoding failure
 - d. Decay of memory traces
 - e. Interference
 - f. Motivated forgetting
- v. Application
 - a. Improving memory
 - b. Keyword techniques
 - c. Method of loci
 - d. Encoding specificity
 - e. Organization of test material
 - f. Organization of lecture notes
 - g. Practice and rehearsal

4. Intelligence: -**Credit 1**

- i. Definition of intelligence
- ii. Measurement of intelligence
 - a. Concept in Measurement of intelligence (C.A., M.A., IQ)
 - b. Test of Intelligence-Binet, Stanford Binet, Wechsler
- iii. Individual difference in intelligence
 - a. Mental retardation: Meaning, causes and classification
 - b. Giftedness
- iv. Theories of intelligence - Spearman, Gardner, Sternberg
- v. Application
 - a. Early childhood intervention – a means for boosting intelligence

Source Books: -

1. Ciccarelli, S. & Meyer, G. E. (2006). *Psychology*. New Delhi: Pearson Education.
2. Feldman, R. S. (8th ed.) (2008). *Understanding Psychology*. TMH.
3. Passer, M. W. & Smith, R. E. (2007). *Psychology: The Science of Mind and Behaviour*. New Delhi: Tata McGraw-Hill.
4. Coon, D. & Mitterer, J. O. (2007). *Introduction to Psychology: Gateways to Mind and Behaviour*. Singapore: Thomson Wadsworth.

Reference Books: -

1. Lahye, B. B. (2003). *Psychology: An Introduction*. New Delhi: Tata McGraw-Hill.
2. Smith, D. B. (1908). *Psychology: Science and Understanding*. Boston: McGraw-Hill.

3. Smith, E. E., Hocksema, S. N., Fredrickson, B. & Loftus, G. R. (2003). *Atkinson and Hilgard's Introduction to Psychology*. Singapore: Thompson Wadsworth.
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5. Baran, R. A. (2001). *Psychology*. New Delhi: Pearson Education Pvt. Ltd.
6. Morgan, C. T., King, R. A., Weisz, J. R. & Schopler, J. (1986). *Introduction to Psychology*. McGraw-Hill Book Co.
7. Benjamin, L. T. (1997). *History Of Psychology: Original Sources and Contemporary Research*. New Delhi: McGraw-Hill Companies.
8. Bernstein, D. A., Roy, E. J., Wickens, C. D. and Srull, T. K. (1988). *Psychology*. Boston: Houghton Mifflin co.
9. Pandit, Kulkarni and Gore (1999). *Samanya Manasashastra*. Nagpur: Pimpalpure Pub.
10. Bacchav, Badgular & Shinde (2001). *Samany Manasashastra*. Nashik: Swayambhu Prakashan.
11. Inamdar, M. K., Gadekar, K. N. & Patil, A. M. (2005). *Adhunik Manasashastra*. Pune: Diamond Publication.
12. Padhye, V. S. (2004). *Manasashastra-Ek Parichay*. Aurangabad: Renuka Prakashan.
13. Pandit, R. V., Borude, R. R. Abhnyakar, S. & Golvilkar, V. (2006). *Manasashastra*. Pune: Continental Publishing.

Syllabus for B.A. (Semester – II)
Course II, Unit II,
PSY 105 – Basic Concepts in Social Psychology.
With effective from 2012-13-.

Marks-30

Objectives: -

1. To enable student to appreciate how individual behaviour is influenced by social and cultural contexts.
2. To enable student to develop an understanding of functioning of dyads, groups and organization.
3. To understand the unique features of the Indian socio-cultural context.
4. To understand how social problems can be analyzed in terms of various social psychological theories.

1) PREJUDICE : DISLIKING OTHERS

Credit 1

- i) What Is The Nature And Power Of Prejudice?
 - (a) Defining prejudice
 - (b) Racial prejudice
 - (c) Gender prejudice
- ii) What Are The Motivational Sources Of Prejudice?
 - (a) Social inequalities: unequal status and prejudice
 - (b) Socialization
 - (c) Institutional supports
- iii) What Are The Motivational Sources Of Prejudice?
 - (a) Frustration and aggression : the scapegoat theory
 - (b) Social identity theory : feeling superior to others
 - (c) Motivation to avoid prejudice
- iv) What Are The Cognitive Sources Of Prejudice?
 - (a) Categorization: Classifying people into groups
 - (b) Distinctiveness: perceiving people who stand out
 - (c) Attribution: is it a just world?
- v) What Are The Consequences Of Prejudice?
 - (a) Self –perpetuating stereotypes
 - (b) Discrimination’s impact: the self-fulfilling prophecy
 - (c) Stereotype threat
 - (d) The story behind the research: claude steele on stereotype threat
 - (e) Do stereotypes bias judgments of individuals?

2) AGGRESSION : HURTING OTHERS

Credit 1

- i) What Is Aggression?
- ii) What Is Some Theories Of Aggression?
 - (a) Aggression as biology
 - (b) Aggression as a response to frustration
 - (c) Aggression as learned social behaviour
- iii) What Are Some Influences On Aggression?
 - (a) Aversive incidents
 - (b) Arousal
 - (c) Aggression cues
 - (d) Media influences: pornography and sexual violence
 - (e) Media influences: television
 - (f) Media influences: video games
 - (g) Group influences

- iv) How Can Aggression Be Reduced?
 - (a) Catharsis?
 - (b) A social learning Approach

3) HELPING

Credit 1

- i) Why Do We Help?
 - (a) Gaining rewards, avoiding punishment evolutionary psychology
 - (b) Comparing and evaluating theories of helping
 - (c) Genuine altruism
- ii) When Will We Help?
 - (a) Number of bystanders
 - (b) Helping when someone else does
 - (c) Time pressures
 - (d) Similarity
- iii) Who Will Help?
 - (a) Personality traits
 - (b) Religious faith
- iv) How Can We Increase Helping
 - (a) Undoing the restraints on helping
 - (b) Socializing altruism

4) SOCIAL PSYCHOLOGY IN COURT

Credit 1

- i) How Reliable Is Eyewitness Testimony?
 - (a) The power of persuasive eyewitnesses
 - (b) When eyes deceive
 - (c) Focus on: eyewitness testimony
 - (d) The misinformation effect
 - (e) Retelling feedback to witnesses
 - (f) Reducing error
- ii) What Other Factors Influence Juror Judgments?
 - (a) The defendant's characteristics
 - (b) The judge's instructions
 - (c) Other issues

Sources Book: -

1. Myers, D.G. (2006). *Social Psychology*. (8th ed) New Delhi: Tata McGraw-Hill.
2. Myers, D.G. (1996). *Social Psychology*. (5th ed) New Delhi: Tata McGraw-Hill.
3. Baron, R. A. & Bryne, D. (2005). *Social Psychology*. (10th Ed) New Delhi: Prentice Hall of India.

Reference Book: -

1. Baron, R. A., Bryne, D., & Branscombe, N. R. (2007). *Social Psychology*. (11th Ed) New Delhi: Pearson Education.
2. Singh, A. K., *Saamaajik manavidhyaan* New Delhi: Motilal Banarasidas
3. Palsane, M.N., & Talwalkar, V. (2000) *Samajik Manasashastra* Pune: Continental Prakashan
4. Kool, V.K. & Agraval, R. (2006). *Applied Social Psychology*. New Delhi: Atlantic Publishers.

Syllabus for B.A. (Semester – I & II)
Course I, Unit I & II
PSY 103 & 106– Psychology Practicum's: Experiments & Tests.
With effective from 2012-13.

Total practical 16

Marks - 80

Objectives: -

1. To create interest in psychological phenomenon.
2. To develop awareness of psychological tools, techniques and tests.
3. To nurture the skill of observation.

➤ **Section A: -**

1. **Motivation & Emotion [Any Three]: -** **Credit 1**
 - a. Facial expression
 - b. Knowledge of results
 - c. Colour Preference
 - d. Test of Emotional Intelligence: - Anukool Hyde, Sanjyot Pethe & Upinder Dhar.
 - e. Emotional Maturity Scale: - Y. Singh & M. Bhargava.
 - f. Emotional Competence Scale: - R. Bharadawaj & H. Sharma.
 - g. Social Motives Scale: - R. N. Singh & M. Bhargava.
 - h. Need Pattern Scale: - Seema Sanghi.
 - i. Deo-Mohan Achievement Motivation Scale (N-Ach) : - Prathiba Deo & Asha Mohan.

2. **Sensation & Perception [Any Two]: -** **Credit 1**
 - a. AL
 - b. DL
 - c. PSE
 - d. Perception of grouping
 - e. Illusion
 - f. Figure and ground

3. **Social Process [Any Three]: -** **Credit 1**
 - a. Formation of spontaneous group – Sociometry
 - b. Social facilitation
 - c. Difficult task / Complex task
 - d. The influence of individual instruction & group discussion on attitudes
 - e. Competition, & co-operation & work output
 - f. Automatic & Democratic group & work output
 - g. The Modernization Scale: - R. S. Singh
 - h. Conformity Behaviour: -S. N. Rai.
 - i. Social Loafing Scale: - Q. G. Alam & R. Srivastava.
 - j. Attitude Scale towards Religion: - R. K. Ojha
 - k. Religiosity Scale: - L.I. Bhusan.
 - l. Social distance scale – Dewedi, K., Bhatnager, S. & Asthana, U.

- 4. Learning & Memory [Any Two]:-** **Credit 1**
- a. Maze Learning
 - b. Letter digit substitution test
 - c. Paired association learning
 - d. Transfer of learning
 - e. Trial & Error learning
 - f. Conditioning
 - g. Habit interference
 - h. LTM
 - i. STM
 - j. Retroactive inhibition
 - k. Proactive inhibition
 - l. Recall & recognition
- 5. Intelligence [Any Two]: -** **Credit 1**
- a. Pass along test
 - b. Koh's Block test
 - c. Standard Progressive Matrices
 - d. Bhatia's IQ Battery
 - e. Verbal test of intelligence
 - f. Social Intelligence Scale
- 6. Personality [Any Two]:-** **Credit 1**
- a. Introversion – Extroversion Test
 - b. Adjustment Test
 - c. Anxiety Test
 - d. Study Habit Test
 - e. 16 PF
 - f. Eysenck Personality inventory.
 - g. Type A/B behaviour pattern scale
- 7. Social Process [Any Two]:-** **Credit 1**
- a. Social competence scale (SCS) – Sharma, V. P., Shukla, P., & Shukla, K.
 - b. Social acceptability among peers (TSAAP) – Chopra, S.L.
 - c. Machiavellianism scale (Mach IV scale) – Rai, S. N. & Chadha, N. K.
 - d. Social characteristics description (SCD) – Uniyal, M.P. & Shah, B.
 - e. Simple task
 - f. Comprehensive Scale of Tension: - R. L. Bharadwaj.
 - g. Altruism Scale: - S. N. rai S. Singh.
 - h. Prejudice Scale: - R. I. Bharadwaj & H. Sharma.
 - i. Aggression Scale: - G.C. Pati.
 - j. Aggression Inventory: - M. K. Sultana.
 - k. Aggression Scale: - G.P. Mathur & R. Bhatnagar.
- > Section B: -** **Credit 1**

Workshop on Communication Skills: -

1. Group discussion on any burning topic.
2. Public speech.
3. Interview (Dummy).
4. Application filling.

A report of all such skills should be submitted at the time of practical examination.

Source Books: -

1. Rajamanickam, M. (2005). *Experimental Psychology: With Advanced Experiments, Vol. 1 & 2*. New Delhi: Concept Publishing Company.
2. Parameshwarn, E.G. & Rao, B. T. (1968) *Manual of Experimental Psychology*. Bombay: Lalvani Publishing House.
3. Mohsin, S. M. (1975). *Experiments in Psychology*. Orient Longman.
4. Mohanthy. *Experiments in Psychology*.
5. Tinker, M.A. & Russell, W. A. *Introduction to Methods in experimental Psychology*. Appleton – Century Crofts.
6. Jalota, S (1962). *Experiments in Psychology*. Asia Publishing House.
7. Galloti, K. M. (2004). *Cognitive Psychology In and Out of Laboratory*. USA: Thomson Wadsworth.

Reference Books: -

1. Baker, L. M., Weisiger, C. & Taylor, M. W. (1960). *Laboratory Experiments in General Psychology*. Oxford Univ. Press.
2. Berkowitz, L. (1974). *Advanced Experimental Social Psychology*. Academic Press.
3. Debold, R. C. (1968). *Manual of Contemporary Experiments in Psychology*. Prentice-Hall.
4. Ferguson, E. D. (1976). *Motivation: An Experimental Approach*. Holt Rinechart & Winston.
5. Collins, M. & Drever, J. (1930). *Experimental Psychology*. London: Methun & Co.Ltd.
6. Sonodgrass, J. G., Levy-Berger, Hyden (1985). *Human Experimental Psychology*. New York: Oxford University Press.
7. Kuppuswamy, B. (1958). *Elementary Experiments in Psychology*. London: Oxford University Press.

Distribution of Marks

Section A				Section B		Total
Procedure	Viva	Report	Record Book (Internal)	Viva	Report (Internal)	
15	15	20	10	10	10	80

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 21 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

CIRCULAR NO.ACAD/NP/Social Sciences/Syllabus/159/2013

It is hereby notified for information of all concerned that, on the recommendations of the Boards of Studies, Ad-hoc Boards, and Faculty of Social Sciences, the **Academic Council at its meeting held on 25-03-2013** has accepted the following revised syllabi for **B.A. First & Second Year** and with minor changes in the syllabus of **B.A. Third Year Home Science** under the Faculty of Social Sciences :-

Sr. No.	Revised Syllabus
[1]	B.A. [Public Administration] Semester- I & II,
[2]	B.A. [Political Science] Semester- I & II,
[3]	B.A. [History] Semester- I & II,
[4]	B.A. [Economics] Semester- I & II,
[5]	B.A. [Sociology] Semester- I & II,
[6]	B.A. [Philosophy] Semester- I & II,
[7]	B.A. [Home Science] Semester- I to IV,
[8]	B.A. [Psychology] Semester-III & IV, Second Year.
[9]	B.A. [Home Science] Semester- V & VI, Third Year Minor Changes,

This is effective from the Academic Year 2013-2014 and onwards.

These syllabi are available on the University Website www.bamu.net

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/NP/SOCIAL SCI./
SYLLABUS /Semester/2013/
5979-6382
A.C.M.A.I.No.21.

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13/05
Director,
Board of College and
University Development.

Date:- 08-05-2013.

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S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 22 -

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Copy forwarded with compliments to :-

- 1] **The Principals, affiliated concerned Colleges,
Dr. Babasaheb Ambedkar Marathwada University.**
- 2] **The Director, University Network & Information Centre, UNIC, with
a request to upload the above all syllabi on University Website
[www.bamu.net].**

Copy to :-

- 1] The Controller of Examinations,
- 2] The Superintendent, [B.A. Unit],
- 3] The Superintendent, [Eligibility Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 7] The Public Relation Officer,
- 8] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University.

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**D.R. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus of
B.A. IInd Year
Psychology
Semester-IIIrd & IVth

[Effective from -2013-2014 & onwards]

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

PSYCHOLOGY

Curriculum Structure and Scheme of Evaluation for - B. A. III & IV
With effective from 2013-14.

SEMESTER – III								
Unit .	Course Code	Name of the Paper	Scheme of Teaching (Periods/Week)			Scheme of Evaluation (Marks)		
			L	P	Total Periods	Theory	Practical/ Viva-Voce	Total Marks
Unit I.	PSY 107	Psychology of Adjustment	4	-	4	30	-	30
Unit II.	PSY 108	Psychological Testing	4	-	4	30	-	30
Unit I & II.	PSY 109	Psychology : Practicum's	-	4	4	-	-	-
(A) Total of Semester – III			8	4	12	60	-	60
SEMESTER – IV								
Unit .	Course Code	Name of the Paper	Scheme of Teaching (Periods/Week)			Scheme of Evaluation (Marks)		
			L	P	Total Periods	Theory	Pract/ Viva-Voce	Total Marks
Unit I.	PSY 110	Psychology for Living	4	-	4	30	-	30
Unit II.	PSY 111	Psychological Statistics	4	-	4	30	-	30
Unit I & II.	PSY 109 & PSY 112	Psychology : Practicum's	-	4	4	-	80	80
(B) Total of Semester – IV			8	4	12	60	80	140

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

PSYCHOLOGY

SYLLABUS FOR - B.A.

With effective from 2013-14.

B. A. Third Semester

Course – III

Unit	Course Code	Title of the Paper	Marks
Unit I	PSY 107	Psychology of Adjustment	30
Unit II	PSY 108	Psychological Testing	30
Unit I & II	PSY 109	Psychology :Practicum's	-

Note: -

- 1. For theory papers 15 periods.**
- 2. For practical's 30 periods.**
- 3. One period comprises 50 minutes duration.**
- 4. For Psychology Practicum's. There shall be a batch of 12 students.**
- 5. There shall be a combined Practical Examination of both semesters annually.**

Syllabus for B.A. (Semester-III)

Course III, Unit I

PSY 107 – PSYCHOLOGY OF ADJUSTMENT

With effect from 2013-2014.

Marks-30

Objectives: -

1. To enable student to make the connection between psychology and its practical application to everyday life.
2. To train student how psychological principles can help them to face life's challenges
3. To enables students to relate what they are learning in class to issues that they encounter in their everyday life, such as stress, health, work, personal relationships, communication and self-esteem.

1) INTERPERSONAL COMMUNICATION: -

- i) THE PROCESS OF INTERPERSONAL COMMUNICATION
 - (a) Components of the communication process
 - (b) Communication and adjustment
- ii) NONVERBAL COMMUNICATION
 - (a) General principles
 - (b) Elements of nonverbal communication
 - (c) Detecting deception
 - (d) The significance of nonverbal; communication
- iii) COMMUNICAITON PROBLOEMS
 - (a) Communication apprehension
 - (b) Barriers to effective communication
- iv) INTERPERSONAL CONFLICT
 - (a) Beliefs about conflict
 - (b) Types of conflict
 - (c) Styles of managing conflict
 - (d) Dealing constructively with conflict
 - (e) Public communication in an adversarial culture
- v) APPLICATION: DEVELOPING AN ASSERTIVE COMMUNICATION
 - (a) The nature of assertiveness
 - (b) Steps in assertiveness training

2) FRIENDSHIP AND LOVE: -

- i. PERSPECTIVES ON CLOSE RELATIONSHIPS
 - a. The ingredients of close relationships
 - b. Culture and relationships
 - c. The internet and relationships
- ii. INITIAL ATTRACTION AND RELATIONSHIP DEVELOPMENT
 - a. Initial encounters
 - b. Getting acquainted
 - c. Established relationships
- iii. FRIENDSHIP
 - a. What makes a good friend?
 - b. Gender differences in friendship
- iv. ROMANTIC LOVE
 - a. Myths about love
 - b. Gender differences regarding love
 - c. Theories of love
 - d. The course of romantic love
- v. APPLICATION: OVERCOMING LONELINESS
 - a. The nature of loneliness
 - b. Prevalence of loneliness
 - c. The roots of loneliness
 - d. Correlates of loneliness
 - e. Conquering loneliness

3) MARRIAGE AND INTIMATE RELATIONSHIP: -

- i. CHALLENGES TO THE TRADITIONAL MODEL OF MARRIAGE
- ii. MOVING TOWARD MARRIAGE
 - a. The motivation to marry
 - b. Selecting to mate
 - c. Predictors of marital success
- iii. MARITAL ADJUSTMENT ACROSS THE FAMILY LIFE CYCLE
 - a. Between families: The unattached young adult
 - b. Joining together: The newly married couple
 - c. Family with young children
 - d. Launching children into the adult world
 - e. The family in later life
- iv. VULNERABLE AREAS IN MARITAL ADJUSTMENT
 - a. Gaps in role expectations
 - b. Work and career issues
 - c. Financial difficulties
 - d. Inadequate communication
- v. DIVORCE
 - a. Increasing rate of divorce
 - b. Deciding on a divorce
 - c. Adjusting to divorce
 - d. Remarriage
- vi. APPLICATION: UNDERSTANDING INTIMATE VIOLENCE
 - a. Partner abuse
 - b. Child abuse

4) CAREERS AND WORK: -

- i. CHOOSING A CAREER
 - a. Examining personal characteristics and influences
 - b. Researching job characteristics
 - c. Using psychological tests for career decisions
 - d. Taking important considerations into account
- ii. MODELS OF CAREER CHOICE AND DEVELOPMENT
 - a. Holland's trait measurement and matching model
 - b. Super's developmental model
 - c. Women's career development
- iii. THE CHANGING WORLD OF WORK
 - a. Workplace trends
 - b. Education and earnings
 - c. The changing workforce
- iv. COPING WITH OCCUPATIONAL HAZARDS
 - a. Job stress
 - b. Sexual harassment
 - c. Unemployment
- v. BALANCING WORK AND OTHER SPHERES OF LIFE
 - a. Workaholism
 - b. Work and family roles
 - c. Leisure and recreation
- vi. APPLICATION: GETTING AHEAD IN THE JOB GAME
 - a. Putting together a resume
 - b. Finding companies you want to work for
 - c. Landing an interview
 - d. Polishing your interview technique

Books for Readings:-

1. Weiten, W., Lloyd A. M. (2004). Psychology Applied to modern Life: Adjustment in the 21st Century. (7th Ed) Singapore: Thomson Wadsworth Pvt Ltd.
2. Psychology for Living, Adjustment, Growth, and Behaviour today- By Eastwood Atwater Prentice hall of India Private Limited, New Delhi, 5th Edition-1995.
3. Coleman, J.C. Psychology and effective behaviour, Bombay: D.B. Taraporevala Sons & Co.
4. Lazarus, R.S. Patterns of adjustment, N.D. : McGraw-Hill
5. Martin, L.G.; Osborne, G. (1989). Psychology: Adjustment and everyday living, N.J.: Prentice-Hall, Englewood Cliffs.
6. Gray, S.W. and Zide, M.R. India Edition (2008). Psychology: A competency based assessment model for social workers. Thomson Group Pole.
7. Dimatteo, M.R. and Martin, L.R. (2002). Health Psychology. N.D.: Pearson.
8. Brannon, L. and Feist, J. (2007). Introduction to health psychology. India ed. N.D.: Thomson.
9. Marks, D.; Murray, M.; Evans, B.; Willig, C.; Woodall, C. and Sykes, C. (2005). 2nd ed. Health psychology: Theory, research and practice. N.D. : Sage Pub.

Syllabus for B.A. (Semester-III)
Course III, Unit I
PSY 108 – PSYCHOLOGICAL TESTING
With effect from 2013-14.

Marks-30

Objectives: -

1. To train students in various psychological assessment techniques.
2. To acquaint the student and make them understand the different statistical methods with their uses and interpretations.
3. To impart skills necessary for selecting and applying different tests for different purpose such as evaluation, training, rehabilitation etc.

1) USES AND IMPLICATIONS OF PSYCHOLOGICAL TESTING

- i) Functions of psychological tests
- ii) Nature of a psychological test
- iii) Controlling the Use of tests
- iv) Test administration
- v) Examiner and situational variables
- vi) Effect of training on test performance
- vii) Social and ethical implication of testing
- viii) Test anxiety and rapport
- ix) Types of psychological tests

2) ITEM ANALYSIS

- i) Item difficulty
- ii) Item discrimination
- iii) Indices of item discrimination
- iv) Item response theory
- v) Item analysis of speeded tests
- vi) Cross validation
- vii) Item-by-group interaction

3) RELIABILITY OF PSYCHOLOGICAL TEST

- i) Definition
- ii) The correlation coefficient
- iii) Types of reliability:
 - (a) Test-retest reliability
 - (b) Parallel form reliability,
 - (c) Split-half reliability
 - (d) Inter-item consistency
- iv) Scorer reliability
- v) Reliability of speeded tests
- vi) Factors affecting reliability coefficients
- vii) Standard error of measurement
- viii) Reliability of criterion-referenced tests

4) VALIDITY OF PSYCHOLOGICAL TESTS

- i) Meaning of validity
- ii) Types of validity
 - (a) Content validation
 - (b) Criterion-related validation
 - (c) Construct validation
- iii) Comparison of validation procedures
- iv) Validity

Books for Readings:-

1. Anastasi A (1997) Psychological Testing, New York: Mac Millan Co.
2. Cimnero, A.R. (1986) Hand book of Behavioural Assessment New York : John Wiley.
3. Freeman.Frank S (1971) Theory and Practice of Psychological Testing Oxford & IBH Publishing Co. New Delhi.
4. Dandekar, W.N. & Rajguru, M.S. () An Introduction to Psychological testing & statistics, Seth Publication
5. Psychological Testing, Principles, Applications, and Issues, Robert M. Kaplan & Dennis P. Saccuzzo, Sixth Edition, 2005.
6. Psychological testing, A practical approach to Design and Evaluation, Theresa, J.B. Kline, Sage publications, 2005.
7. Statistics in Psychology and education, H.E. Garrett, Vakil and Ferrar Company, Bombay, 1966.
8. Statistics in Psychology and Education, J.S. Gaiford, International Student Edn., McGraw Hill.
9. Statistical Reasoning in Psychology & Education IIIrd Edn. John Wiley & Sons 2001.
10. Edward G. Minum Bruce M. King Gordon Bear: Statistical Methods for Practice & research A Guide to data Analysis using SPSS Ajai S Gaur Sanjay S. Gaur, 2nd Edn. Sage-2006.

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

PSYCHOLOGY

SYLLABUS FOR - B.A.

With effective from 2013-2014.

B. A. Fourth Semester

Course – IV

Unit	Course Code	Title of the Paper	Marks
Unit I	PSY 110	Psychology for Living	30
Unit II	PSY 111	Psychological Statistics	30
Unit I & II	PSY 109 & PSY 112	Psychology : Practicums	80

Note: -

- 1. For theory papers 15 periods.**
- 2. For practical's 30 periods.**
- 3. One period comprises 50 minutes duration.**
- 4. For Psychology Practicums. There Shall be a batch of 20 students.**

Syllabus for B.A. (Semester-IV)

Course IV, Unit I

PSY 110 – PSYCHOLOGY FOR LIVING

With effect from 2013-14.

Marks-30

Objectives: -

1. To enable student to make the connection between psychology and its practical application to everyday life.
2. To train student how psychological principles can help them to face life's challenges
3. To enables students to relate what they are learning in class to issues that they encounter in their everyday life, such as stress, health, work, personal relationships communication and self-esteem.

1) THE SELF: -

- i. SELF – CONCEPT
 - a. The Nature Of The Self – Concept
 - b. Self-discrepancies
 - c. Factors shaping the self-concept
- ii. SELF – ESTEEM
 - a. The importance of self-esteem
 - b. Determinants of self – esteem
 - c. Ethnicity, gender, and self-esteem
- iii. BASIC PRINCIPLES OF SELF-PERCEPTION
 - a. Cognitive processes
 - b. Self-attributions
 - c. Attribution style
 - d. Motives guiding self-understanding
 - e. Methods of self-enhancement
- iv. SELF-REGULATION
 - a. Self-efficacy
 - b. Self-defeating behavior
- v. SELF-PRESENTATION
 - a. Impression management
 - b. Self- monitoring
- vi. APPLICATION: BUILDING SELF-ESTEEM

2) STRESS AND IT'S EFFECTS: -

- i. THE NATURE OF STRESS
 - a. Stress is an everyday event
 - b. Stress lies in the eye of the beholder
 - c. Stress may be embedded in the environment
 - d. Stress may be self-imposed
 - e. Stress is influenced by culture
- ii. MAJOR TYPES OF STRESS
 - a. Frustration
 - b. Conflict
 - c. Change
 - d. Pressure
- iii. RESPONDING TO STRESS
 - a. Emotional response
 - b. Physiological responses
 - c. Behavioral response
- iv. THE POTENTIAL EFFECTS OF STRESS
 - a. Impaired task performance
 - b. Disruption of cognitive functioning
 - c. Burnout
 - d. Posttraumatic stress disorders
 - e. Psychological problems and disorders
 - f. Physical illness
 - g. Positive effects
- v. FACTORS INFLUENCING STRESS TOLERANCE
 - a. Social support
 - b. Hardiness
 - c. Optimism and conscientiousness
- vi. APPLICATION: MONITORING YOUR STRESS
 - a. Problems with the SRRS
 - b. The life experiences survey
 - c. A Cautionary Note

3) COPING PROCESSES: -

- i. COMMON COPING PATTERNS OF LIMITED VALUE
 - a. Giving up
 - b. Striking out at others
 - c. Indulging yourself
 - d. Blaming yourself
 - e. Using defensive coping
- ii. THE NATURE OF CONSTRUCTIVE COPING
- iii. APPRAISAL-FOCUSED CONSTRUCTIVE COPING
 - a. Ellis's rational thinking
 - b. Humor as a stress reducer
 - c. Positive reinterpretation
- iv. PROBLEM-FOCUSED CONSTRUCTIVE COPING
 - a. Using systematic problem solving
 - b. Seeking help
 - c. Using time more effectively
 - d. Improving self-control

v. EMOTION-FOCUSED CONSTRUCTIVE COPING]

- a. Releasing pent-up emotions
- b. Distracting yourself
- c. Managing hostility and forgiving others
- d. Meditating
- e. Using relaxation procedures

vi. APPLICATION: ACHIEVING SELF-CONTROL

- a. Specifying your target behavior
- b. Gathering baseline data
- c. Designing your program
- d. Executing and evaluation your program
- e. Ending your program

4) PSYCHOLOGY AND PHYSICAL HEALTH: -

- i. STRESS, PERSONALITY AND ILLNESS
 - a. Personality, emotions, and heart disease
 - b. Stress and cancer
 - c. Stress and other diseases
 - d. Stress and immune functioning
 - e. Conclusions
- ii. HABITS, LIFESTYLES, AND HEALTH
 - a. Smoking
 - b. Drinking
 - c. Overeating
 - d. Poor nutrition
 - e. Lack of exercise
 - f. Behaviour and AIDS
- iii. REACTIONS TO ILLNESS
 - a. The decision to seek treatment
 - b. The sick role
 - c. Communicating with health providers
 - d. Adherence to medical advice
- iv. APPLICATION: UNDERSTANDING THE EFFECTS OF DRUGS
 - a. Drug-related concepts
 - b. Narcotics
 - c. Sedatives
 - d. Stimulants
 - e. Hallucinogens
 - f. Marijuana
 - g. Ecstasy (MDMA)

Books for Readings:-

1. Weiten, W., Lloyd A. M. (2004). Psychology Applied to modern Life: Adjustment in the 21st Century. (7th Ed) Singapore: Thomson Wadsworth Pvt Ltd.
2. Psychology for Living, Adjustment, Growth, and Behaviour today- By Eastwood Atwater Prentice hall of India Private Limited, New Delhi, 5th Edition-1995.
3. Coleman, J.C. Psychology and effective bahaviour, Bombay: D.B. Taraporevala Sons & Co.
4. Lazarus, R.S. Patterns of adjustment, N.D. : McGraw-Hill
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9. Marks, D.; Murray, M.; Evans, B.; Willig, C.; Woodall, C. and Sykes, C. (2005). 2nd ed. Health psychology: Theory, research and practice. N.D. : Sage Pub.

Syllabus for B.A. (Semester-IV)

Course IV, Unit II

PSY 111 – PSYCHOLOGICAL STATISTICS

With effect from 2013-14.

Marks-30

Objectives: -

1. To train students in various psychological assessment techniques.
2. To acquaint the student and make them understand the different statistical methods with their uses and interpretations.
3. To impart skills necessary for selecting and applying different tests for different purpose such as evaluation, training, rehabilitation etc.

1) FREQUENCY DISTRUBUTIONS

- i. Measurement in general
- ii. Need for grouping
- iii. Preparation of a frequency table
- iv. Graphic representations of the frequency distribution
 - a. Histogram
 - b. Frequency Polygon
- v. Smoothing a polygon

2) MEASURES OF CENTRAL TENDENCY.

- i. Mean
- ii. Computation of the mean
 - a. The long method and
 - b. The short or assumed mean method
- iii. Median and its computation
- iv. Mode
- v. Uses of various measures of central tendency

3) MEASURES OF VARIABILITY

- i. Range
- ii. Quartile deviation
- iii. Average deviation
- iv. Standard deviation
- v. Uses of the various measures of variability

4) MEASURES OF ASSOCIATION

- i) Meaning and types of coefficient of correlation.
- ii) Rank Difference Correlation.
- iii) Product Moment Correlation (Ungrouped)

Books for Readings:-

1. Anastasi A (1997) Psychological Testing, New York: Mac Millan Co.
2. Cimnero, A.R. (1986) Hand book of Behavioural Assessment New York : John Wiley.
3. Freeman.Frank S (1971) Theory and Practice of Psychological Testing Oxford & IBH Publishing Co. New Delhi.
4. Dandekar, W.N. & Rajguru, M.S. () An Introduction to Psychological testing & statistics, Seth Publication
5. Psychological Testing, Principles, Applications, and Issues, Robert M. Kaplan & Dennis P. Saccuzzo, Sixth Edition, 2005.
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8. Statistics in Psychology and Education, J.S. Gaiford, International Student Edn., McGraw Hill.
9. Statistical Reasoning in Psychology & Education IIIrd Edn. John Wiley & Sons 2001.
10. Edward G. Minum Bruce M. King Gordon Bear: Statistical Methods for Practice & research A Guide to data Analysis using SPSS Ajai S Gaur Sanjay S. Gaur, 2nd Edn. Sage-2006.

Syllabus for B.A. (Semester- III & IV)
Course III, Unit I & II
PSY 109 & PSY 112 – PSYCHOLOGY PRACTICUM'S
With effect from 2013-14.

Objectives

1. To create interest in psychological phenomenon.
2. To develop awareness of psychological of psychological tools, techniques and tests.
3. To nurture the skill of observation.

Section - A

Total Tests – 16

Marks- 80

A) Intelligence / Aptitude (Any Two)

- i) General Mental Alertness Test: - R. P. Shrivastava
- ii) Teaching Aptitude Test
- iii) Science Aptitude Test
- iv) A Group Intelligence (EGMAT): - S. Jalota
- v) Mangal Emotional Intelligence Inventory (MEII): - S. K. Mangal
- vi) Draw A Man Test Children: - Pramila Pathak
- vii) Culture Fair (Free) Intelligence Scale – Indian Adaptation: - Kapoor, Rao & Singh
- viii) Malin's Indian Adaptation of Weschler Intelligence Test of Children

B) Interest / Study Habit (Any Two)

- i) Multiphasic Interest Inventory: - S. K. Bhava
- ii) Interest test
- iii) Vocational Interest record: -S. P. Kulshrestha
- iv) Test of study habits and Attitudes.
- v) Adolescent Interest Test: - H. A. David
- vi) Leadership Preference Scale: - L. I. Bhusan
- vii) Multi Factor Interest Questionnaire: - Kapoor and Singh

C) Attitude (Any Two)

- i) Optimistic Pessimistic Scale
- ii) Secular Attitude Scale
- iii) Vocational Attitude Scale: - H. C. Bhasin
- iv) Attitude scale towards education.
- v) A new test of values
- vi) Social value Test: - H. P. Shrivastava

D) Carrier & family (Any Two)

- i) Traditional family ideology scale (TFIS) – B. C. Muthyya
- ii) Family relationship scale – Govind Tiwari
- iii) Attitude toward communication job – Dr. O. S. Rathore, Dr. Mandra & Dr. Mathur
- iv) Marital adjustment questionnaire – P. Kumar & K. Rohatagi.
- v) Career Decision Scale (CDS).
- vi) Perceived parenting style (P Scale) Rajeev Lochan Bharadwaj, Harish Sharma & Amita Garg

E) Personality Test (Any Two)

- i) Multi Variable Personality Inventory
- ii) Personality Inventory
- iii) KNPI
- iv) Differential Personality Inventory
- v) Multi Dimensional Assessment of Personality Series (MAP)

F) Adjustment / Interest (Any Three)

- i) Adjustment Inventory for School Students
- ii) Revised Adjustment Inventory
- iii) Educational Interest Record
- iv) Old age adjustment
- v) Social Adjustment
- vi) Adjustment Inventory for college students
- vii) Youth problem Inventory

G) Self Related Test (Any Three)

- i) Self acceptance Scale
- ii) Ego Strength scale
- iii) Self Perception scale
- iv) Satwa Bodh Parikshan
- v) Self Confidence Inventory
- vi) Self Disclosure Inventory
- vii) Self actualization Inventory
- viii) Self concept questionnaire

Section-B

Test Construction: A report shall be submitted at the time of practical examination.

Distribution of Marks

Section-A				Section-B		Total
Procedure	Viva	Report	Record Book (Internal)	Viva	(Internal)	
15	15	20	10	10	10	80

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B.A.T.Y.Final Syllabus Sociology-007

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Syllabus of

B.A. III YEAR

Sociology

Semester-V & VI

[*Effective from 2011-12 & onwards*]

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad**Revised Syllabus of B.A.III Year (Sociology)****(Under the faculty of social science)**

1. Year of implementation → Will be implemented from June 2011
2. Pattern → The pattern of examination will be **Semester system**
(30 marks semester examination and 20 marks internal Evaluation.)
3. Admission Criteria → Candidate who has passed B.A. Second year exam.
4. The structure → Implementation of the structure as prescribed by the university.
5. Nature of Question paper → as per established pattern
6. Scheme of teaching and examination
 - ❖ Revised syllabus is design for the students who are new and curious to know the discipline of Sociology, it is formulated to make understand basic concepts and subject matter of sociology.
 - ❖ The internal assessment part is design for active participation in understanding of Sociology
 - ❖ Minimum one visit essential of Rural, Tribal, Slum areas.

BA Third Year (Sociology) Semester -V

Sr. No.	Course No.	Papers	Exam Scheme (Marks)		
			Semi Exam	Internal	Total
01	SBA009	IX - Sociological Traditions (Subsidiary Paper)	30	20	50
02	SBA010	X - Introduction to Research Methodology (Subsidiary Paper)	30	20	50
03	SBA011A	XI - Social Problems in contemporary India (Main Paper) OR	30	20	50
04	SBA011B	XI - Social Psychology (Main Paper)	30	20	50
05	SBA012A	XII - Introduction to Social Anthropology (Main Paper) OR	30	20	50
06	SBA012B	XII - Urban Sociology (Main Paper)	30	20	50

B.A.T.Y.Final Syllabus Sociology-007 Page 3 -

BA Third Year (Sociology) Semester -VI

Sr. No.	Course No.	Papers	Exam Scheme (Marks)		
			Semi Exam	Internal	Total
01	SBA013	XIII-Sociological Theories (Subsidiary Paper)	30	20	50
02	SBA014	XIV- Social Research Methods (Subsidiary Paper)	30	20	50
03	SBA015A	XV- Social Disorganization in Contemporary India (Main Paper) OR	30	20	50
04	SBA015B	XV-Applied Social Psychology (Main Paper)	30	20	50
05	SBA016A	XVI-Social Anthropology (Main Paper) OR	30	20	50
06	SBA016B	XVI- Urban Society in India(Main Paper)	30	20	50

- 01 Period = 50 Minutes
- 01 credit = 15 Period
- 04 Credit = 60 Periods

60 Periods are meant for classroom lecturers, field work and internal assessment.

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (M.S.)

Sociology
B.A. Third Year (effective from 2011-2012)

Semester V
(Subsidiary Papers)

SBA009 - Paper IX - Sociological Traditions
SBA010 - Paper X - Introduction to Research Methodology

(Main Papers)

SBA011A - Paper XI - Social Problems in contemporary India
OR
SBA011B - Paper XI - Social Psychology
SBA012 A - Paper XII - Introduction to Social Anthropology
OR
SBA012B - Paper XII - Urban Sociology

Semester VI

(Subsidiary Papers)

SBA013 - Paper XIII - Sociological Theories
SBA014 - Paper XIV - Social Research

(Main Papers)

SBA015A - Paper XV - Social Disorganization in Contemporary India
OR
SBA015B - Paper XV - Applied Social Psychology
SBA016A - Paper XVI - Social Anthropology
OR
SBA016B - Paper XVI - Urban Society in India

Course Requirement

1. Theory Exam - 60%

B.A.T.Y.Final Syllabus Sociology-007 - 5 -

2. Internal Evaluation- 40%

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**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
(M.S.)**

Sociology

B.A. Third Year (effective from 2011-2012)

Semester V

(Subsidiary Papers)

SBA009 - Paper IX - Sociological Traditions
SBA010 - Paper X - Introduction to Research Methodology

(Main Papers)

SBA011A - Paper XI - Social Problems in contemporary India
OR
SBA011B - Paper XI - Social Psychology
SBA012 A - Paper XII - Introduction to Social Anthropology
OR
SBA012B - Paper XII - Urban Sociology

Paper IX - Sociological Traditions

Objectives:

- To provide the students with the understanding of historical, socio-economic and intellectual forces in the rise of sociological theory.
- To provide the students with the basic understanding of emergence of sociological thought and to know about pioneer sociologists with their contributions to sociology.

Course Outline

1. Emergence of sociological thought
 - (a) Period of Enlightenment
 - (b) French Revolution
 - (c) Industrial Revolution
 - (d) Recent Trends in Sociological theory
2. The Pioneers
 - (a) August Comte- Positivism, Law of Three Stages
 - (b) Herbert Spencer- Theory of Organism, Evolution
 - (c) Durkheim- Theory of Suicide, Social Fact
3. The Classical Tradition
 - (a) Karl Marx - Historical Materialism, Class struggle
 - (b) Max Weber- Theory of Authority, Analysis of Spirit of Capitalism
And Protestant Ethics

Books Recommended:

1. David Ashley and David Orenstein (2007) 'Sociological theory classical statements' – Pearson Education, New Delhi.
2. George Ritzer (1992) 'sociological Theory', McGraw Hill, New Delhi.
3. Tim Delaney 'contemporary social theory'- Pearson Education, New Delhi.
4. Jaypalan N (2001) Sociological Theories, Atlantic Publisher, New Delhi.
5. Sorokin Pitirm- (1978) contemporary sociological theory, Kalyani Publishers, New Delhi.

Paper X - Introduction to Research Methodology

Objectives

- To introduce the Research Methodology for better understanding of application of social sciences.
- To equip the students with the procedures tools and techniques of social research

Course Outline

1. Basic Concepts in Research Methodology
 - (a) Meaning of Research
 - (b) Scope and importance of Social Research
 - (c) Theory, Fact, Objectivity
2. Types of Research
 - (a) Pure and applied research
 - (b) Qualitative and Quantitative Research
 - (c) Descriptive Research and Exploratory Research
3. Scientific Research Process
 - (a) Formulation of Problem
 - (b) Hypothesis
 - (c) Sampling and Data Collection
 - (d) Data analysis and Statement

Books Recommended:

1. Goode and Hatt (1952) Methods in Social Research, McGraw Hill Book company, New York .
2. P.V. Young and Calvin F. Schmid (1982) scientific social survey and research, prentice hall of India Private Ltd
3. 3. New.Bryman Alan (1988) Quality an quantity in Social Research. London Unwin Hyman Pub.
4. Jayram N (1989) Sociology: Methods and Theory. Madras Macmillan.
5. Kothari C R (1989) Research Methodology, Methods and Techniques, Bangalore Wilev Eastern.
6. Kundu, The Social Sciences: Methodology and Perspective, Pearson Education, New Delhi.

7. Khairnar Dilip,Pragat Samajik Sanshodhan Padhati ani Sankhiki, Diamond Publication,Pune.

Paper XI - Social Problems in contemporary India

Objectives:

- To identify and analyze some of emerging social problems from sociological perspective.
- to sensitize the students about social problems of contemporary India and to discuss the measures on it

Course outline :

1. Corruption and Crime

- (a) Corruption in India and its implications , nature and causes
- (B) Measures on corruption
- (C) White collar crime, Suicide

2. Displacement and Rehabilitation

- (a) Displacement and Problems of Developmental projects (SEZ)
- (b) Problem of Land acquisition for industrial projects
- (c) Commercialization of agriculture
- (d) Measures on Rehabilitation problems

3. Problem of Inequality

- (a) Educational inequality, Women's Education
- (b) Rural India against Urban India
- (c) Globalization and increasing inequality

Books recommended:

1. Beteille Andre (1974) Social Inequality, New Delhi OUP
2. K.L.Sharma (2009) Social inequality in India, Rawat Publications, Jaipur and New Delhi 2009
3. Maheshwari S.R.: Rural Development in India
4. Reports of Govt. of India- Corruption and Crime
5. Guha Ramchandra (1994) Sociology and the Dilemma of Development, New Delhi OUP
6. Fernandes, Walter and Enakshi Ganguly Thukral (Eds.), 1989, 'Development, Displacement and Rehabilitation: Issues for a National Debate', Indian Social Institute, New Delhi
7. Khairnar Dilip,Adhunik Bhartatil Samajik Samsya, Chinmaya Prakashan,Aurangabad.

Paper XI Social Psychology

Objectives :

- To introduce the basic concept and to provide knowledge about the social Psychology.
- To study some aspects of human behavior and its sociological perspective

Course outline :

1. Introduction
 - (a) Nature and scope of social psychology
 - (b) Subject matter of social psychology
 - (c) Importance to the study of social psychology
 - (d) Concept- social perception, social identity,
2. Collective Behavior
 - (a) Mass Behavior - crowd ,Audience, fashions
 - (b) Social conflicts and their resolutions
 - (c) Tension and conflict
3. Human Behavior
 - (a) Attitude and Behavior
 - (b) Biological and psychological drives
 - (c) Social cognition
 - (d) Collective Behavior

Books Recommended:

1. Sherfam. and Sherif,C.W (1969) Social Psychology, Harper International ed. N.Y
2. Secord,P.F. and Backman,C.W-' Social Psychology'- International Student edition, McGraw Hill
3. Hollander,E.P (1976) Principles and Methods of Social Psychology, Oxford University Press
4. S rivastava,D.N. and other (1990) Modern Social Psychology, Har Prasad Bhargava Agra
5. Tripathi Lal Bachan (1992) Modern Social Psychology, Har Prasad Bhargava
6. Husain, Social Psychology, Pearson education, New Delhi.
7. Baron, Fundamentals of social Psychology, Pearson education, New Delhi.

Paper XII - Introduction to Social Anthropology

Objectives:

To introduce basic understanding to the Social Anthropology in view of better involvement with Sociology.

Course Outline:

1. Introduction
 - (a) Meaning of Anthropology
 - (b) Scope of Social Anthropology
 - (c) Branches of Anthropology: Physical, Cultural & Applied
 - (d) Development of social Anthropology in India (Indian Anthropologist)
2. Basic Concepts in Social Anthropology
 - (a) Clan, Kinship
 - (b) Cultural integration
 - (c) Ethnography
3. Methods of social Anthropology
 - (a) Nature of Anthropological Studies
 - (b) Translation, Interpretation and Observation
 - (c) Field work Method: Characteristics and Importance

Books Recommended:

1. Vidyarthi L. P (1976) Tribal Culture of India, Concept Publishers, New Delhi
2. E. E. Evans (1962) Social Anthropology and Other Essays, The free Press, New York
3. Mujumdar D. N. and Madan T. N (1973) An Introduction to Social Anthropology, Asia Publishing House, Bombay
4. S.L Joshi and P C Jain (2005) Social Anthropology, Rawat Publications New Delhi
5. S.S. Ghurye : Caste and race in india, Popular Prakashan, Mumbai
6. Mukharjee R.N, History of Sociological Thoughts
7. Shrinivas M.N, (1966) Social Change in Modern India, University of California Press
8. Richard T Schaefer, (ed) Encyclopedia of Race. Ethnicity, and Society, Sage Publication, New Delhi.
9. H James Birs, Encyclopedia of Anthropology, Sage Publication, New Delhi.
10. Ember, Anthropology, Pearson education, New Delhi.

Paper XII - Urban Sociology

Objectives:

This course is designed to enable the students of urban sociology to comprehend the basic elements of the subject and to draw attention of the students towards increasing urbanization.

Course Outline:

1. Introduction

- (a) Nature and Scope of urban Sociology
- (b) Importance of Urban Sociology
- (c) Concepts- Urban Locality, Urbanization, suburb, Metro Cities, Heterogeneity

2. Process of Urban Development

- (a) Urban Revolution
- (b) Medieval City
- (c) Industrial Urban Development

3. Urban Sociological Theories

- (a) Theory Concentric Zone- Burges
- (b) Mechanical and Organic Solidarity- Durkheim
- (c) Metropolis and Mental life – George Simmel
- (d) Theories of Robert Louise worth

Books Recommended:

1. Rao M.S.A. (1975) Urban Sociology in India. Orient Long men New Delhi
2. N Jaypalan (2002) Urban Sociology, Atlantic Publishers and Distributors n New Delhi
3. Giriraj Gupta(1983) Urban India, Vikas Publishing House, New Delhi
4. Ravinder Singh (2003) Urbanization in Indian ;Sociological contributions, Sage Publications New Delhi
5. Ravinder Singh Sandhu,(2003) Urbanization in India : Sociological contribution, Sage Publication, New Delhi.
6. M.S.A. Rao (1992) A Reader in Urban Sociology , Orient Logman. New Delhi.
7. M.S.A. Rao (1992) Urban Sociology in India., Orient Logman. New Delhi.
8. James L Spates eta. (1982) The Sociology of Cities , St. Martin's Press, New York.
9. Giriraj Gupta (ed) (1983) Urban India, Vikas Publication House, New Delhi.

B.A. Third Year - Sociology

Semester VI

(Subsidiary Papers)

- SBA013 - Paper XIII – Sociological Theories
SBA014 - Paper XIV- Social Research Methods

(Main Papers)

- SBA015A - Paper XV - Social Disorganization in Contemporary India
OR
SBA015B - Paper XV - Applied Social Psychology
SBA016A - Paper XVI - Social Anthropology
OR
SBA016B –Paper XVI - Urban Society in India

Paper XIII – Sociological Theories

Objectives :

To make the statement to understand basic theoretical approaches and develop their sociological thinking

Course Outline:

1. Functionalism

- (a) Talcott Parsons- Theory of Social Action,
Pre-requisites of Social System
- (b) Robert Merton- Role Set, Reference Group

2. Conflict Theory

- (a) Lewis Coser- Functions of Social Conflict, Violence
- (d) Ralf Dahrendarf- Class conflict in industrial society,
Power and Authority

3. Symbolic Interaction

- (c) C.S. Cooley – Looking Glass Self, Primary Group
- (d) G.H. Mead- Self, Self Consciousness, Functions of self

Books Recommended:

1. Tim Delaney (2008)- contemporary social theory-
Investigation and application Pearson Education , New Delhi
2. Craib Ian (1992) Modern social theory: from parsons to
Habermas , Harvester Press , London
3. Turner John (1995) The Structure of Sociological theory,
Rawat Publication, Jaipur
4. Fletcher Ronald (1994) The Making of Sociology , Rawat
Publication, Jaipur
5. Ashley ‘ Classical Statement’ , Pearson Education . New
Delhi
6. Kundu, Sociological Theory, Pearson Education .New
Delhi

Paper XIV- Social Research Methods

Objectives:

The course can serve as a helping hand to students to understand primary technique and the use of social research.

Course outline :

1. Techniques of sociological instigation
 - (a) Observation
 - (b) Questionnaire
 - (c) Interview
2. Computer application and Statistics
 - (a) Use of computer in social research (computer data analysis)
 - (b) Internet,
 - (c) Introduction of Statistical measures
 - (d) Introduction of SPSS
3. Utility of Social Research
 - (a) To analyze social problem
 - (b) To study society and social structure
 - (c) Evaluation of welfare schemes
 - (d) Policy Advocacy

Books Recommended:

1. Kundu- 'The social Science; methodology and Perspectives' Pearson Education, New Delhi
2. Levin - 'The elementary statistics in social research'
3. Bryaman and Alan (1988) Quality and Quantity in Social Research, London Unwin Hyman
4. Young P V (1988) Scientific Social Surveys and Research, Prentice Hall New Delhi
5. Kothari C R (1989) Research Methodology, Methods and Techniques, Bangalore Wilev Eastern , Bangalore
7. Khairnar Dilip, Pragat Samajik Sanshodhan Padhati ani Sankhiki, Diamond Publication, Pune.
8. Gedorge, SPSS for windows step by step: A Simple study Guide and Reference, 17.0 Update, 10/e . Pearson Education, New Delhi.
9. Neuman, Social Research Methods, Pearson Education, New Delhi.

Paper XV - Social Disorganization in Contemporary India

Objectives:

To make aware the students regarding the disorganization occurring due the rapid changes in Indian society

Course Outline :

1. Problem of Disorganization
 - (a) Concept and nature of disorganization
 - (b) Causes of disorganization; Lack of Mobility, cynicism, changing values and culture
2. Violence and social disorder
 - (a) Violence against women
 - (b) Terrorism in India
 - (c) Problem of Naxalism in India
3. Regionalism
 - (a) Regional imbalance of development in India
 - (b) Measures on the problems of regionalism
 - (c) Analysis of regional imbalance: special reference to Marathwada and Vidharbha

Books Recommended:

1. Sarkar Sumit, Modern India 1885-1947, Mac Millan India Limited
2. Vasant Desai (1991) Fundamentals of Rural Development, Himalaya Publishing House, Bombay
3. All current and relevant material including the official information of Govt of India and Govt of Maharashtra Current Statistics reports of Government.
4. Guha Ramchandre (1994) Sociology and the Essays in Inequality, Folklore Institute, Meerut
5. Berrieman G.D. (1979) Caste and other Inequalities. Essays in Inequality, Folklore Institute, Meerut
6. T.K. Oommen, Crisis and Contention in Indian Society, Sage Publication, New Delhi.
7. Victor D'souza, Development planning and Structural inequalities, Sage Pub, New Delhi.
8. Haq Mahbub Ali, Reflection on Human Development, Oxford Uni.Press, Delhi.

Paper XV - Applied Social Psychology

Objectives :

- The course aims to provide basic understanding on applied social psychology and theories in social psychology
- This course also deals with the analytical explanation on common psychology.

Course Outline :

1. Introduction of applied social psychology
 - (a) Theories in applied social psychology
 - (b) Research techniques in applied psychology
2. Application of Social psychology
 - (a) Job satisfaction at work places
 - (b) Family violence
 - (c) Communication Behavior
 - (d) Methods of eliminating social tension
 - (e) Sociogram, sociometry
3. Societal issues
 - (a) Effect of Media (Print and Electronic)
 - (b) Effect of advertisement
 - (c) prejudice

Books Recommended :

1. Husain, Social Psychology, Pearson education , New Delhi.
2. Taylor, Social Psychology, Pearson education , New Delhi.
3. Peter B Smith, Michael H Bond and others Understanding Social Psychology, Sage Publication, New Delhi.
4. Encyclopedia of Social Psychology, Sage Publication, New Delhi.
5. Baron R. A. & Bryne . D (1999) Social Psychology (Eighth Ed) New Delhi: Prentice - Hall of India.

Paper XVI - Social Anthropology

Objectives:

- Anthropology is important to understand the primitive society and changes occurring within it, this course is designed for the better understanding of society
1. Language and Race
 - (a) Race classification
 - (b) Race and language (Indian situation)
 - (c) Language; importance and linguistic changes
 2. The Culture change
 - (a) Culture and Society
 - (b) Subculture and part Culture
 - (c) Types of culture change
 - (d) Fashion change
 1. Changing Tribal India
 - (a) Social and cultural change in Tribal India
 - (b) Tribal economy
 - (c) Migration
 - (d) Tribal welfare programmes

Books Recommended :

1. Moore, Henrietta (1999) Anthropological Theory Today, Cambridge Publications
2. Leach Edmund (1982) Social Anthropology, Glasgow Fontana
3. Barnard Alan (2000) History and Theory n Anthropology, Cambridge University Press
4. Kuper Adam (1996) Anthropology and Anthropologies , The modern British School , 3rd ed. London Routledge and Kegan Publications
5. Bose N K (1967) Culture and Society in Indian (Asia Publishing House)
6. T H Eriksen (2008) What is Anthropology, Rawat publications, Jaipur and New Delhi
7. Lucy Mair (2004) an introduction to Social Anthropology, Oxford Publications.

Paper XVI - Urban Society in India

Objectives:

- To analyze critically social problems of urban Indian and to discuss regarding impact of modernization and industrialization upon the cities
1. Urban India
 - (a) Growth of urban population in India
 - (b) Urbanism and social mobility in India
 - (c) Overcrowding
 2. Social Problems of urbanization
 - (a) Crime, Prostitution
 - (b) Urban Family
 - (c) Poverty and Unemployment
 - (d) Slums and Housing problems
 3. Urbanization and Industrialization
 - (a) Impact of industrialization
 - (b) Changing life style
 - (c) Pollution

Books Recommended:

1. Alfred De Souza(1979) The Indian City : Poverty , Economic and urban development, Manohar Publications, New Delhi
2. Desai A R and Pillai S D (1970) Slums and Urbanization, Popular Prakashan Bombay
3. Ramchandran R (1991) Urbanization and urban Systems in India OUP, Delhi
4. Edward W Soja (2000) post Metropolis; Critical Studies of Cities and Regions, Oxford Blackwell.
5. Rajendra K. Sharma (1997) Urban Sociology, Atlantic Publishers & Distributers, New Delhi
6. A.K. Shrivastava (1989) Urbanization : Concept & Growth, H.K. Publishers and Distributors, New Delhi
7. Kroeber (1976) Anthropology, Published by Mohan Primalani, Oxford and IBH publishing co. New Delhi.
7. S.L Joshi and P C Jain (2005) Social Anthropology, Rawat Publications New Delhi.

B.A.T.Y.Final Syllabus Sociology-007

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Syllabus of

B.A. III YEAR

Sociology

Semester-V & VI

[Effective from 2011-12 & onwards]

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad**Revised Syllabus of B.A.III Year (Sociology)****(Under the faculty of social science)**

1. Year of implementation → Will be implemented form June 2011
2. Pattern → The pattern of examination will be **Semester system**
(30 marks semester examination and 20 marks internal Evaluation.)
3. Admission Criteria → Candidate who has passed B.A. Second year exam.
4. The structure → Implementation of the structure as prescribed by the university.
5. Nature of Question paper → as per established pattern
6. Scheme of teaching and examination
 - ❖ Revised syllabus is design for the students who are new and curious to know the discipline of Sociology, it is formulated to make understand basic concepts and subject matter of sociology.
 - ❖ The internal assessment part is design for active participation in understanding of Sociology
 - ❖ Minimum one visit essential of Rural, Tribal, Slum areas.

BA Third Year (Sociology) Semester -V

Sr. No.	Course No.	Papers	Exam Scheme (Marks)		
			Seml Exam	Internal	Total
01	SBA009	IX - Sociological Traditions (Subsidiary Paper)	30	20	50
02	SBA010	X - Introduction to Research Methodology (Subsidiary Paper)	30	20	50
03	SBA011A	XI - Social Problems in contemporary India (Main Paper) OR	30	20	50
04	SBA011B	XI - Social Psychology (Main Paper)	30	20	50
05	SBA012A	XII - Introduction to Social Anthropology(Main Paper) OR	30	20	50
06	SBA012B	XII - Urban Sociology (Main Paper)	30	20	50

B.A.T.Y.Final Syllabus Sociology-007 Page 3 -

BA Third Year (Sociology) Semester -VI

Sr. No.	Course No.	Papers	Exam Scheme (Marks)		
			Semi Exam	Internal	Total
01	SBA013	XIII-Sociological Theories (Subsidiary Paper)	30	20	50
02	SBA014	XIV- Social Research Methods (Subsidiary Paper)	30	20	50
03	SBA015A	XV- Social Disorganization in Contemporary India (Main Paper) OR	30	20	50
04	SBA015B	XV-Applied Social Psychology (Main Paper)	30	20	50
05	SBA016A	XVI-Social Anthropology (Main Paper) OR	30	20	50
06	SBA016B	XVI- Urban Society in India(Main Paper)	30	20	50

- 01 Period = 50 Minutes
- 01 credit = 15 Period
- 04 Credit = 60 Periods

60 Periods are meant for classroom lecturers, field work and internal assessment.

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (M.S.)

Sociology
B.A. Third Year (effective from 2011-2012)

Semester V
(Subsidiary Papers)

SBA009 - Paper IX - Sociological Traditions
SBA010 - Paper X - Introduction to Research Methodology

(Main Papers)

SBA011A - Paper XI - Social Problems in contemporary India
OR
SBA011B - Paper XI - Social Psychology
SBA012 A - Paper XII - Introduction to Social Anthropology
OR
SBA012B - Paper XII - Urban Sociology

Semester VI

(Subsidiary Papers)

SBA013 - Paper XIII - Sociological Theories
SBA014 - Paper XIV - Social Research

(Main Papers)

SBA015A - Paper XV - Social Disorganization in Contemporary India
OR
SBA015B - Paper XV - Applied Social Psychology
SBA016A - Paper XVI - Social Anthropology
OR
SBA016B - Paper XVI - Urban Society in India

Course Requirement

1. Theory Exam - 60%

B.A.T.Y.Final Syllabus Sociology-007 - 5 -

2. Internal Evaluation- 40%

]

**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
(M.S.)**

Sociology

B.A. Third Year (effective from 2011-2012)

Semester V

(Subsidiary Papers)

SBA009 - Paper IX - Sociological Traditions
SBA010 - Paper X - Introduction to Research Methodology

(Main Papers)

SBA011A - Paper XI - Social Problems in contemporary India
OR
SBA011B - Paper XI - Social Psychology
SBA012 A - Paper XII - Introduction to Social Anthropology
OR
SBA012B - Paper XII - Urban Sociology

Paper IX - Sociological Traditions

Objectives:

- To provide the students with the understanding of historical, socio-economic and intellectual forces in the rise of sociological theory.
- To provide the students with the basic understanding of emergence of sociological thought and to know about pioneer sociologists with their contributions to sociology.

Course Outline

1. Emergence of sociological thought
 - (a) Period of Enlightenment
 - (b) French Revolution
 - (c) Industrial Revolution
 - (d) Recent Trends in Sociological theory
2. The Pioneers
 - (a) August Comte- Positivism, Law of Three Stages
 - (b) Herbert Spencer- Theory of Organism, Evolution
 - (c) Durkheim- Theory of Suicide, Social Fact
3. The Classical Tradition
 - (a) Karl Marx - Historical Materialism, Class struggle
 - (b) Max Weber- Theory of Authority, Analysis of Spirit of Capitalism
And Protestant Ethics

Books Recommended:

1. David Ashley and David Orenstein (2007) 'Sociological theory classical statements' – Pearson Education, New Delhi.
2. George Ritzer (1992) 'sociological Theory', McGraw Hill, New Delhi.
3. Tim Delaney 'contemporary social theory'- Pearson Education, New Delhi.
4. Jaypalan N (2001) Sociological Theories, Atlantic Publisher, New Delhi.
5. Sorokin Pitirm- (1978) contemporary sociological theory, Kalyani Publishers, New Delhi.

Paper X - Introduction to Research Methodology

Objectives

- To introduce the Research Methodology for better understanding of application of social sciences.
- To equip the students with the procedures tools and techniques of social research

Course Outline

1. Basic Concepts in Research Methodology
 - (a) Meaning of Research
 - (b) Scope and importance of Social Research
 - (c) Theory, Fact, Objectivity
2. Types of Research
 - (a) Pure and applied research
 - (b) Qualitative and Quantitative Research
 - (c) Descriptive Research and Exploratory Research
3. Scientific Research Process
 - (a) Formulation of Problem
 - (b) Hypothesis
 - (c) Sampling and Data Collection
 - (d) Data analysis and Statement

Books Recommended:

1. Goode and Hatt (1952) Methods in Social Research, McGraw Hill Book company, New York .
2. P.V. Young and Calvin F. Schmid (1982) scientific social survey and research, prentice hall of India Private Ltd
3. 3. New.Bryman Alan (1988) Quality an quantity in Social Research. London Unwin Hyman Pub.
4. Jayram N (1989) Sociology: Methods and Theory. Madras Macmillan.
5. Kothari C R (1989) Research Methodology, Methods and Techniques, Bangalore Wilev Eastern.
6. Kundu, The Social Sciences: Methodology and Perspective, Pearson Education, New Delhi.

7. Khairnar Dilip,Pragat Samajik Sanshodhan Padhati ani Sankhiki, Diamond Publication,Pune.

Paper XI - Social Problems in contemporary India

Objectives:

- To identify and analyze some of emerging social problems from sociological perspective.
- to sensitize the students about social problems of contemporary India and to discuss the measures on it

Course outline :

1. Corruption and Crime

- (a) Corruption in India and its implications , nature and causes
- (B) Measures on corruption
- (C) White collar crime, Suicide

2. Displacement and Rehabilitation

- (a) Displacement and Problems of Developmental projects (SEZ)
- (b) Problem of Land acquisition for industrial projects
- (c) Commercialization of agriculture
- (d) Measures on Rehabilitation problems

3. Problem of Inequality

- (a) Educational inequality, Women's Education
- (b) Rural India against Urban India
- (c) Globalization and increasing inequality

Books recommended:

1. Beteille Andre (1974) Social Inequality, New Delhi OUP
2. K.L.Sharma (2009) Social inequality in India, Rawat Publications, Jaipur and New Delhi 2009
3. Maheshwari S.R.: Rural Development in India
4. Reports of Govt. of India- Corruption and Crime
5. Guha Ramchandra (1994) Sociology and the Dilemma of Development, New Delhi OUP
6. Fernandes, Walter and Enakshi Ganguly Thukral (Eds.), 1989, 'Development, Displacement and Rehabilitation: Issues for a National Debate', Indian Social Institute, New Delhi
7. Khairnar Dilip,Adhunik Bhartatil Samajik Samsya, Chinmaya Prakashan,Aurangabad.

Paper XI Social Psychology

Objectives :

- To introduce the basic concept and to provide knowledge about the social Psychology.
- To study some aspects of human behavior and its sociological perspective

Course outline :

1. Introduction
 - (a) Nature and scope of social psychology
 - (b) Subject matter of social psychology
 - (c) Importance to the study of social psychology
 - (d) Concept- social perception, social identity,
2. Collective Behavior
 - (a) Mass Behavior - crowd ,Audience, fashions
 - (b) Social conflicts and their resolutions
 - (c) Tension and conflict
3. Human Behavior
 - (a) Attitude and Behavior
 - (b) Biological and psychological drives
 - (c) Social cognition
 - (d) Collective Behavior

Books Recommended:

1. Sherfam. and Sherif,C.W (1969) Social Psychology, Harper International ed. N.Y
2. Secord,P.F. and Backman,C.W-' Social Psychology'- International Student edition, McGraw Hill
3. Hollander,E.P (1976) Principles and Methods of Social Psychology, Oxford University Press
4. S rivastava,D.N. and other (1990) Modern Social Psychology, Har Prasad Bhargava Agra
5. Tripathi Lal Bachan (1992) Modern Social Psychology, Har Prasad Bhargava
6. Husain, Social Psychology, Pearson education, New Delhi.
7. Baron, Fundamentals of social Psychology, Pearson education, New Delhi.

Paper XII - Introduction to Social Anthropology

Objectives:

To introduce basic understanding to the Social Anthropology in view of better involvement with Sociology.

Course Outline:

1. Introduction
 - (a) Meaning of Anthropology
 - (b) Scope of Social Anthropology
 - (c) Branches of Anthropology: Physical, Cultural & Applied
 - (d) Development of social Anthropology in India (Indian Anthropologist)
2. Basic Concepts in Social Anthropology
 - (a) Clan, Kinship
 - (b) Cultural integration
 - (c) Ethnography
3. Methods of social Anthropology
 - (a) Nature of Anthropological Studies
 - (b) Translation, Interpretation and Observation
 - (c) Field work Method: Characteristics and Importance

Books Recommended:

1. Vidyarthi L. P (1976) Tribal Culture of India, Concept Publishers, New Delhi
2. E. E. Evans (1962) Social Anthropology and Other Essays, The free Press, New York
3. Mujumdar D. N. and Madan T. N (1973) An Introduction to Social Anthropology, Asia Publishing House, Bombay
4. S.L Joshi and P C Jain (2005) Social Anthropology, Rawat Publications New Delhi
5. S.S. Ghurye : Caste and race in india, Popular Prakashan, Mumbai
6. Mukharjee R.N, History of Sociological Thoughts
7. Shrinivas M.N, (1966) Social Change in Modern India, University of California Press
8. Richard T Schaefer, (ed) Encyclopedia of Race. Ethnicity, and Society, Sage Publication, New Delhi.
9. H James Bix, Encyclopedia of Anthropology, Sage Publication, New Delhi.
10. Ember, Anthropology, Pearson education, New Delhi.

Paper XII - Urban Sociology

Objectives:

This course is designed to enable the students of urban sociology to comprehend the basic elements of the subject and to draw attention of the students towards increasing urbanization.

Course Outline:

1. Introduction

- (a) Nature and Scope of urban Sociology
- (b) Importance of Urban Sociology
- (c) Concepts- Urban Locality, Urbanization, suburb, Metro Cities, Heterogeneity

2. Process of Urban Development

- (a) Urban Revolution
- (b) Medieval City
- (c) Industrial Urban Development

3. Urban Sociological Theories

- (a) Theory Concentric Zone- Burges
- (b) Mechanical and Organic Solidarity- Durkheim
- (c) Metropolis and Mental life – George Simmel
- (d) Theories of Robert Louise worth

Books Recommended:

1. Rao M.S.A. (1975) Urban Sociology in India. Orient Long men New Delhi
2. N Jaypalan (2002) Urban Sociology, Atlantic Publishers and Distributors n New Delhi
3. Giriraj Gupta(1983) Urban India, Vikas Publishing House, New Delhi
4. Ravinder Singh (2003) Urbanization in Indian ;Sociological contributions, Sage Publications New Delhi
5. Ravinder Singh Sandhu,(2003) Urbanization in India : Sociological contribution, Sage Publication, New Delhi.
6. M.S.A. Rao (1992) A Reader in Urban Sociology , Orient Logman. New Delhi.
7. M.S.A. Rao (1992) Urban Sociology in India., Orient Logman. New Delhi.
8. James L Spates eta. (1982) The Sociology of Cities , St. Martin's Press, New York.
9. Giriraj Gupta (ed) (1983) Urban India, Vikas Publication House, New Delhi.

B.A. Third Year - Sociology

Semester VI

(Subsidiary Papers)

- SBA013 - Paper XIII – Sociological Theories
SBA014 - Paper XIV- Social Research Methods

(Main Papers)

- SBA015A - Paper XV - Social Disorganization in Contemporary India
OR
SBA015B - Paper XV - Applied Social Psychology
SBA016A - Paper XVI - Social Anthropology
OR
SBA016B –Paper XVI - Urban Society in India

Paper XIII – Sociological Theories

Objectives :

To make the statement to understand basic theoretical approaches and develop their sociological thinking

Course Outline:

1. Functionalism

- (a) Talcott Parsons- Theory of Social Action,
Pre-requisites of Social System
- (b) Robert Merton- Role Set, Reference Group

2. Conflict Theory

- (a) Lewis Coser- Functions of Social Conflict, Violence
- (d) Ralf Dahrendarf- Class conflict in industrial society,
Power and Authority

3. Symbolic Interaction

- (c) C.S. Cooley – Looking Glass Self, Primary Group
- (d) G.H. Mead- Self, Self Consciousness, Functions of self

Books Recommended:

1. Tim Delaney (2008)- contemporary social theory-
Investigation and application Pearson Education , New Delhi
2. Craib Ian (1992) Modern social theory: from parsons to
Habermas , Harvester Press , London
3. Turner John (1995) The Structure of Sociological theory,
Rawat Publication, Jaipur
4. Fletcher Ronald (1994) The Making of Sociology , Rawat
Publication, jaipur
5. Ashley ‘ Classical Statement’ , Pearson Education . New
Delhi
6. Kundu, Sociological Theory, Pearson Education .New
Delhi

Paper XIV- Social Research Methods

Objectives:

The course can serve as a helping hand to students to understand primary technique and the use of social research.

Course outline :

1. Techniques of sociological instigation
 - (a) Observation
 - (b) Questionnaire
 - (c) Interview
2. Computer application and Statistics
 - (a) Use of computer in social research (computer data analysis)
 - (b) Internet,
 - (c) Introduction of Statistical measures
 - (d) Introduction of SPSS
3. Utility of Social Research
 - (a) To analyze social problem
 - (b) To study society and social structure
 - (c) Evaluation of welfare schemes
 - (d) Policy Advocacy

Books Recommended:

1. Kundu- 'The social Science; methodology and Perspectives' Pearson Education, New Delhi
2. Levin - 'The elementary statistics in social research'
3. Bryaman and Alan (1988) Quality and Quantity in Social Research, London Unwin Hyman
4. Young P V (1988) Scientific Social Surveys and Research, Prentice Hall New Delhi
5. Kothari C R (1989) Research Methodology, Methods and Techniques, Bangalore Wilev Eastern , Bangalore
7. Khairnar Dilip, Pragat Samajik Sanshodhan Padhati ani Sankhiki, Diamond Publication, Pune.
8. Gedorge, SPSS for windows step by step: A Simple study Guide and Reference, 17.0 Update, 10/e . Pearson Education, New Delhi.
9. Neuman, Social Research Methods, Pearson Education, New Delhi.

Paper XV - Social Disorganization in Contemporary India

Objectives:

To make aware the students regarding the disorganization occurring due the rapid changes in Indian society

Course Outline :

1. Problem if Disorganization
 - (a) Concept and nature disorganization
 - (b) Causes of disorganization; Lack of Mobility, cynicism, changing values and culture
2. Violence and social disorder
 - (a) Violence against women
 - (b) Terrorism in India
 - (c) Problem of Naxalism in India
3. Regionalism
 - (a) Regional imbalance of development in India
 - (b) Measures on the problems of regionalism
 - (c) Analysis of regional imbalance: special reference to Marathwada and Vidharbha

Books Recommended:

1. Sarkar Sumit, Modern India 1885-1947, Mac Millan India Limited
2. .Vasant Desai (1991) Fundamentals of Rural Development , Himalaya Publishing House, Bombay
3. All current and relevant material including the official information of Govt of India and Govt of Maharashtra Current Statistics reports of Government.
4. Guha Ramchandre (1994) Sociology and the Essays in Inequality, Folklore Institute, Meerut
5. Berrieman G.D. (1979) Caste and other Inequalities. Essays in Inequality, Folklore Institute, Meerut
6. T.K. Oommen, Crisis and Contention in Indian Society,Sage Publication, New Delhi.
7. Victor D'souza , Development planning and Structural inequalities, Sage Pub, New Delhi.
8. Haq Mahbub Ali, Reflection on Human Development, Oxford Uni.Press, Delhi.

Paper XV - Applied Social Psychology

Objectives :

- The course aims to provide basic understanding on applied social psychology and theories in social psychology
- This course also deals with the analytical explanation on common psychology.

Course Outline :

1. Introduction of applied social psychology
 - (a) Theories in applied social psychology
 - (b) Research techniques in applied psychology
2. Application of Social psychology
 - (a) Job satisfaction at work places
 - (b) Family violence
 - (c) Communication Behavior
 - (d) Methods of eliminating social tension
 - (e) Sociogram, sociometry
3. Societal issues
 - (a) Effect of Media (Print and Electronic)
 - (b) Effect of advertisement
 - (c) prejudice

Books Recommended :

1. Husain, Social Psychology, Pearson education , New Delhi.
2. Taylor, Social Psychology, Pearson education , New Delhi.
3. Peter B Smith, Michael H Bond and others Understanding Social Psychology, Sage Publication, New Delhi.
4. Encyclopedia of Social Psychology, Sage Publication, New Delhi.
5. Baron R. A. & Bryne . D (1999) Social Psychology (Eighth Ed) New Delhi: Prentice - Hall of India.

Paper XVI - Social Anthropology

Objectives:

- Anthropology is important to understand the primitive society and changes occurring within it, this course is designed for the better understanding of society
1. Language and Race
 - (a) Race classification
 - (b) Race and language (Indian situation)
 - (c) Language; importance and linguistic changes
 2. The Culture change
 - (a) Culture and Society
 - (b) Subculture and part Culture
 - (c) Types of culture change
 - (d) Fashion change
 1. Changing Tribal India
 - (a) Social and cultural change in Tribal India
 - (b) Tribal economy
 - (c) Migration
 - (d) Tribal welfare programmes

Books Recommended :

1. Moore, Henrietta (1999) Anthropological Theory Today, Cambridge Publications
2. Leach Edmund (1982) Social Anthropology, Glasgow Fontana
3. Barnard Alan (2000) History and Theory n Anthropology, Cambridge University Press
4. Kuper Adam (1996) Anthropology and Anthropologies , The modern British School , 3rd ed. London Routledge and Kegan Publications
5. Bose N K (1967) Culture and Society in Indian (Asia Publishing House)
6. T H Eriksen (2008) What is Anthropology, Rawat publications, Jaipur and New Delhi
7. Lucy Mair (2004) an introduction to Social Anthropology, Oxford Publications.

Paper XVI - Urban Society in India

Objectives:

- To analyze critically social problems of urban Indian and to discuss regarding impact of modernization and industrialization upon the cities
1. Urban India
 - (a) Growth of urban population in India
 - (b) Urbanism and social mobility in India
 - (c) Overcrowding
 2. Social Problems of urbanization
 - (a) Crime, Prostitution
 - (b) Urban Family
 - (c) Poverty and Unemployment
 - (d) Slums and Housing problems
 3. Urbanization and Industrialization
 - (a) Impact of industrialization
 - (b) Changing life style
 - (c) Pollution

Books Recommended:

1. Alfred De Souza(1979) The Indian City : Poverty , Economic and urban development, Manohar Publications, New Delhi
2. Desai A R and Pillai S D (1970) Slums and Urbanization, Popular Prakashan Bombay
3. Ramchandran R (1991) Urbanization and urban Systems in India OUP, Delhi
4. Edward W Soja (2000) post Metropolis; Critical Studies of Cities and Regions, Oxford Blackwell.
5. Rajendra K. Sharma (1997) Urban Sociology, Atlantic Publishers & Distributers, New Delhi
6. A.K. Shrivastava (1989) Urbanization : Concept & Growth, H.K. Publishers and Distributors, New Delhi
7. Kroeber (1976) Anthropology, Published by Mohan Primalani, Oxford and IBH publishing co. New Delhi.
7. S.L Joshi and P C Jain (2005) Social Anthropology, Rawat Publications New Delhi.

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MARATHWADA UNIVERSITY,
AURANGABAD.**



Syllabus of

B.A. Second Year

Sociology

[SEMESTER - III & IV]

[Effective from June-2010 & onwards]

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Revised Syllabus for Bachelor of Arts in Sociology

(Under the faculty of social sciences)

1. **Year of implementation** – Will be implemented from June 2010.
2. **Pattern** – The pattern of examination will be **Semester system**
(30 marks semester examination and 20 marks internal Evaluation)
3. **Admission Criteria** – Candidate who has passed **B.A. First year** examination.
4. **Fees structure** – Implementation of the structure as prescribed by the university.
5. **Structure of Question paper** – As per established pattern.
6. **Scheme of teaching and examination** –
 - Revised syllabus is design for the students who wants to know Sociology, and study or analyze the complexity of society and it is also worthwhile to those whom are desire to do research on the critical social problem as well as social change and Modernization.
 - The internal assessment part is design for active participation in understanding of Sociology.

B. A. Second Year (Sociology) : Semester - III

Sr. No.	Papers	Teaching Scheme			Exam Scheme (Marks)		
		L	P	Total	Semi Exam	Internal	Total
01	V - INDIAN SOCIAL STRUCTURE	4	-	4	30	20	50
02	VI - POPULATION AND SOCIETY	4	-	4	30	20	50

B. A. Second Year (Sociology) : Semester -IV

Sr. No.	Papers	Teaching Scheme			Exam Scheme (Marks)		
		L	P	Total	Semi Exam	Internal	Total
01	VII - RELIGION IN INDIAN SOCIETY	4	-	4	30	20	50
02	VIII - INDIA'S POPULATION PROBLEMS	4	-	4	30	20	50

**Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad. (M.S.)**

Sociology

Basic frame for the under graduate revised syllabus

B. A. Second Year

Semester III

V - INDIAN SOCIAL STRUCTURE

VI - POPULATION AND SOCIETY

(4)

INDIAN SOCIAL STRUCTURE

SBA005/Paper-5

OBJECTIVES:

It has presumed that the student has some familiarity with Indian society by virtue of the fact that he is a member of it and that he has observed and experienced some facets of it. However, this familiarity is likely to be superficial, selective and rather fragmentary. The course is aimed at rectifying these limitations by presenting a comprehensive, integrated and empirically based profile of Indian society.

Course outline:

1) Main features of Indian society

- A) Forms of Diversity in India-Linguistic, Religious, Racial, Caste, Tribes, Ethnicity
- B) Bonds of unity in India – Geographical, Religious, Pilgrimage, Political tradition of Interdependence

2) Approaches to the study of Indian Society

- A) Hindu view of life – Ideological approach
- B) Structural Approach – Structural differentiation
- C) Evolutionary Approach -Sanskritisation, Westernization, Secularization, Modernization

3) Basis of social stratification in India

- A) Varnasharam Dharma – Caste system – origin features, Sub caste – Interdependence of caste system – Jajmani system
- B) Changes in Indian Caste system – A Historical perspective, Mobility in Caste, Casteism, Untouchability.

Ref :

- Srinivas M.N.- Indian social structure ,Hindustan public corporation, Delhi.
- Dube S.C. – Indian society, National book trust India, New Delhi.

(5)

- Mandlebaum David – Society in India, popular prakashan, Bombay.
- Ahuja Ram – Indian social system, Rawat publications, New Delhi.
- Rao Shankar C.N. – Sociology, S. Chand publication
- Milton Singer and Cohen – Structure and Change in Indian Society

(6)

POPULATION AND SOCIETY

SBA006/Paper-6

Objectives:

This course seeks to understand the relationship between demographic phenomena on the one hand and socio cultural phenomena on the other.

Course outline:

1) Origin of the concept of population -

Development of the concept of population, study of Indian population, Interface between population and society, population and economical growth, population and environmental pollution.

2) Basic demographic concepts –

Fertility, Mortality, Migration, Population pyramid, depopulation, over population and optimum population

3) Age and sex composition-

Factors affecting age and sex composition, consequences of age and sex composition.

Ref :

- Bhende Asha and Kanitkar Tara; 2003 Principles of population studies, Himalaya pub. House, Bombay.
- Hecr, David and Jill s. Grigsby, 1994s, Society and population, Prentice Hall of India, New Delhi.
- Kenneth Kammeyer C.W. and Hele Ginn, 1988., An Introduction to population, Archives Books , New Delhi.
- Ross, John A (ed) 1985, International Encyclopedia of population, vol. I and II, The free press New York.

**Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad. (M.S.)**

Sociology

Basic frame for the under graduate revised syllabus

B. A. Second Year

Semester IV

Paper - VII - RELIGION IN INDIAN SOCIETY
Paper - VIII - INDIAS POPULATION PROBLEMS

(8)

SBA00 7/Paper

RELIGION IN INDIAN SOCIETY

Objectives:

The focus in the Religion in Indian society. It is hoped that the sociological perspective on Indian society presented in this course will also enable students to gain a better understanding of their situation and region. It focuses on the interface between religion and society in India and the contestation over religion in contemporary times. It concludes with an analysis of social change in relation to religion.

Course outline –

1) Conceptual classification –

Belief systems, magic and religion elements of religion/Typology

2) Religion in Indian society –

Basic elements of Hindu Religion, Buddha Dharma., Jain Religion, Christian Religion and Islam Religion.

3) Contestation over Religion in India –

Fundamentalism – Communalism – Secularism – Proselytism.

Ref:

- Baird, Robert D. (ed) 1995, Religion in modern India, Manohar pub. Delhi.
- Madan T.N. (ed) 1992, Religion in India, Oxford Univ. Press, New Delhi.
- Muzumdar H.T. 1986, India's religious heritage, Allied pub., New Delhi.
- Ghurye G.S. - Caste and Race in India, Popular Pub. Bombay.
- Kolenda Paulin, M., Religion, Caste and family structure.
- Shakir Moin (ed) 1989, Religion, State and politics in India, Ajanta pub. Delhi.

INDIAS POPULATION PROBLEMS

SBA008 – Paper 8

OBJECTIVES:

The objective of the course is to familiarize the students with the current problems in Indian population. The problems of developing societies are attributed to their population size. The student understand population control in terms of social needs

Course outline:

1. Quantitative problems- over population, higher dependency ratio, Density of population, migration, urbanization.
2. Qualitative problems – poverty, unemployment, low standard of living, illiteracy, food and nutrition, slums, housing shortage, crime, prostitutes.
3. Population planning and control – India's population policy, Govt. agencies in family planning programs.

Ref :

- Shrivastava O.S., 1994 Demography and population studies, Vikas pub. House, New Delhi.
- Sharma Rajendra, 1997, Demography and population problem, Atlantic pub, New Delhi.
- Chandrashekhar S. (ed) 1974, Infant mortality, population growth and family planning in India, George Allen and unwin ltd, London.
- Finkle, Jason L and C Alison (ed) 1994, The new policies of population, the population council, New Delhi.

Shivaji Art's, commerce & Science College Kannad

S-[F] NPW-02 June-2013-14 All Syllabus SOCIAL SCIENCES B.A. Economics F.Y. Sem.I & II - 1 -

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus of

B.A. 1ST YEAR

ECONOMICS

SEMESTER-I & II

B. Khande
18-2-13
Dr. Khande v.B.

Dr. B. B. M. K.
Chairman of B.A.S.

Dr. B. B. M. K.
B.O.S.

[Effective from 2013-14 & onwards]

Department of Economics

Shivaji Art's, commerce & Science College Kannad

F.Y.B.A. Economics

(Revised Syllabus)

Semester – I

Total Marks: 50

MICRO ECONOMICS (COMPULSORY) Paper – ECO-101

OBJECTIVES:

As a foundation of economics in this paper student is expected to understand the meaning and scope of micro economics, the behavior of an economic agent, namely, a consumer, a producer, a factor owner and the price fluctuation in a market. The approach of this paper is to study the behavior of a unit and analysis is generally static and in partial equilibrium framework. The units incorporated in this paper deals with nature and scope of economics, the theory of consumer behavior and analysis of market equilibrium.

Unit- I: Introduction

- 1.1 Meaning, nature, scope, significance and limitations of micro economics.
- 1.2 Difference between Micro Economics and Macro Economics.
- 1.3 Welfare Economics: Definition and nature of welfare Economics, The concept of new welfare Economics. Pigovian Welfare Economics, Social Welfare Function.

Unit - II: Theory of Demand and Supply:

- 2.1 Concept of Demand, Law of Demand.
- 2.2 Demand Function – Linear and non-Linear demand function.
- 2.3 Concept of Supply, Law of Supply and Supply Function.
- 2.4 Elasticity of Demand – Price, Income and Cross and its measurement.
- 2.5 Elasticity of Supply.

Unit III: Consumers Behaviour and Demand:

- 3.1 Meaning of Utility.
- 3.2 Marishallian Approach: Theory of Diminishing Marginal Utility, Equi-marginal utility, Consumer's Surplus.
- 3.3 Hick's Approach: Indifference curve – properties of Indifference Curve.
- 3.4 Consumer's Equilibrium with the help of Indifference Curve, Price effect, Income effect and substitution effect
- 3.5 Samuelson Approach: Revealed Preference Theory.

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- 5 -

Unit IV: Analysis of Market Equilibrium:

- 4.1 Meaning and Importance of Equilibrium.
- 4.2 Kinds of Equilibrium – Stable, Unstable and Neutral Equilibrium.
- 4.3 Static and Dynamic Equilibrium, Partial and General Equilibrium.

BASIC READING LIST:

1. Bach, G.L. (1977) : Economics, Prentice Hall of India, New Delhi.
2. Gauld, J.P. and Edward P. L. : (1996), Microeconomic Theory, Richard. Irwin, Homewood.
3. Henderson J. and R.E. Quandt (1980): Microeconomic Theory : A Mathematical Approach, McGraw Hill, New Delhi.
4. Heathfield and Wibe (1987): An Introduction to Cost and Production Functions, Macmillan, London.
5. Koutsoyiannis, A. (1990): Modern Microeconomics, Macmillan.
6. Lipsey, R.G. and K.A. Chrystal (1999): Principles of Economics (9th Edition), Oxford University Press, Oxford.

Shivaji Art's, commerce & Science College Kannad

F.Y.B.A. Economics

(Revised Syllabus)

Semester – I

Total Marks:-50

INDIAN ECONOMY (COMPULSORY) - Paper-ECO-102

OBJECTIVES:

The objective of the paper at the F.Y.B.A. level would be to sharpen the analytical faculty of the students, by highlighting an integrated approach to be functioning aspects of the Indian economy, keeping in view the scope for alternative approaches. Such an analysis is essential because the Indian economy is a unique amalgam of alternative competing and often conflicting theories and a proper understanding of its working of its working is imperative if the student is to comprehend the ramifications that underlie most of the observed phenomena in the Indian economic set-up. The emphasis of the paper is on overall social, political and economic environment influencing policy decisions. To develop all these themes, the courses are divided into specific modules.

1. STRUCTURE OF THE INDIAN ECONOMY

- 1.1 Characteristics of the Indian Economy as a less developed economy.
- 1.2 Features: Natural Resources- Land, Water and Forest Resources and Minerals, Need for sustainable development.
- 1.3 Population: - Broad features, size and growth rates sex composition, Birth rate – death rate, Density, Literacy, Sex composition, Age composition, Occupational distribution, Rural Urban Population- Life expectancy, Rural Urban Migration occupational istribution- Problems of over population, population policy.

2. HUMAN RESOURCE DEVELOPMENT

- 2.1 Human Development Index (HDI): Concept and Meaning, Indicators, Importance
- 2.2 Gender Related Development Index (GDI):
- 2.3 Human Poverty Index (HPI)
- 2.4 HDI - Inter country and inter- state comparison

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- 7 -

3. POVERTY & UNEMPLOYMENT

- 3.1 Concept of Poverty- Measurement of Poverty – Causes of Poverty- Measures to removal of Poverty.
- 3.2 Nature & Types of Unemployment.

4. PLANNING IN INDIA

- 4.1 Background of Indian planning-National Planning Committee, Bombay Plan, Peoples Plan, Gandhian Plan, The Planning Commission.
- 4.2 Objectives & Strategy of Indian Planning.
- 4.3 Achievements & Failures of Five-Year Plan.
- 4.4 Current Five Year Plan - Objectives, Allocations & Targets.
- 4.5 New Economic Reforms.

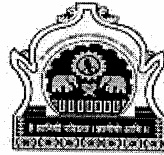
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- 8 -

BASIC READING LIST

1. Datt, R and Sundharam, K.P.M. (2001), Indian Economy, S. Chand & Co. Ltd. New Delhi.
2. Dhingia, I.C. (2001) The Indian Economy - Environment & Policy,

Department of Economics

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MARATHWADA UNIVERSITY,
AURANGABAD.**



Syllabus of

B.A. Second Year

Sociology

[SEMESTER - III & IV]

[Effective from June-2010 & onwards]

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Revised Syllabus for Bachelor of Arts in Sociology

(Under the faculty of social sciences)

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 - Revised syllabus is design for the students who wants to know Sociology, and study or analyze the complexity of society and it is also worthwhile to those whom are desire to do research on the critical social problem as well as social change and Modernization.
 - The internal assessment part is design for active participation in understanding of Sociology.

B. A. Second Year (Sociology) : Semester - III

Sr. No.	Papers	Teaching Scheme			Exam Scheme (Marks)		
		L	P	Total	Semi Exam	Internal	Total
01	V - INDIAN SOCIAL STRUCTURE	4	-	4	30	20	50
02	VI - POPULATION AND SOCIETY	4	-	4	30	20	50

B. A. Second Year (Sociology) : Semester -IV

Sr. No.	Papers	Teaching Scheme			Exam Scheme (Marks)		
		L	P	Total	Semi Exam	Internal	Total
01	VII - RELIGION IN INDIAN SOCIETY	4	-	4	30	20	50
02	VIII - INDIA'S POPULATION PROBLEMS	4	-	4	30	20	50

**Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad. (M.S.)**

Sociology

Basic frame for the under graduate revised syllabus

B. A. Second Year

Semester III

V - INDIAN SOCIAL STRUCTURE

VI - POPULATION AND SOCIETY

(4)

INDIAN SOCIAL STRUCTURE

SBA005/Paper-5

OBJECTIVES:

It has presumed that the student has some familiarity with Indian society by virtue of the fact that he is a member of it and that he has observed and experienced some facets of it. However, this familiarity is likely to be superficial, selective and rather fragmentary. The course is aimed at rectifying these limitations by presenting a comprehensive, integrated and empirically based profile of Indian society.

Course outline:

1) Main features of Indian society

- A) Forms of Diversity in India-Linguistic, Religious, Racial, Caste, Tribes, Ethnicity
- B) Bonds of unity in India – Geographical, Religious, Pilgrimage, Political tradition of Interdependence

2) Approaches to the study of Indian Society

- A) Hindu view of life – Ideological approach
- B) Structural Approach – Structural differentiation
- C) Evolutionary Approach -Sanskritisation, Westernization, Secularization, Modernization

3) Basis of social stratification in India

- A) Varnasharam Dharma – Caste system – origin features, Sub caste – Interdependence of caste system – Jajmani system
- B) Changes in Indian Caste system – A Historical perspective, Mobility in Caste, Casteism, Untouchability.

Ref :

- Srinivas M.N.- Indian social structure ,Hindustan public corporation, Delhi.
- Dube S.C. – Indian society, National book trust India, New Delhi.

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- Mandlebaum David – Society in India, popular prakashan, Bombay.
- Ahuja Ram – Indian social system, Rawat publications, New Delhi.
- Rao Shankar C.N. – Sociology, S. Chand publication
- Milton Singer and Cohen – Structure and Change in Indian Society

(6)

POPULATION AND SOCIETY

SBA006/Paper-6

Objectives:

This course seeks to understand the relationship between demographic phenomena on the one hand and socio cultural phenomena on the other.

Course outline:

1) Origin of the concept of population -

Development of the concept of population, study of Indian population, Interface between population and society, population and economical growth, population and environmental pollution.

2) Basic demographic concepts –

Fertility, Mortality, Migration, Population pyramid, depopulation, over population and optimum population

3) Age and sex composition-

Factors affecting age and sex composition, consequences of age and sex composition.

Ref :

- Bhende Asha and Kanitkar Tara; 2003 Principles of population studies, Himalaya pub. House, Bombay.
- Hecr, Devid and Jill s. Grigsby, 1994s, Society and population, Prentice Hall of India, New Delhi.
- Kenneth Kammeyer C.W. and Hele Ginn, 1988., An Introduction to population, Archives Books , New Delhi.
- Ross, John A (ed) 1985, International Encyclopedia of population, vol. I and II, The free press New York.

**Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad. (M.S.)**

Sociology

Basic frame for the under graduate revised syllabus

B. A. Second Year

Semester IV

Paper - VII - RELIGION IN INDIAN SOCIETY
Paper - VIII - INDIAS POPULATION PROBLEMS

(8)

SBA00 7/Paper

RELIGION IN INDIAN SOCIETY

Objectives:

The focus in the Religion in Indian society. It is hoped that the sociological perspective on Indian society presented in this course will also enable students to gain a better understanding of their situation and region. It focuses on the interface between religion and society in India and the contestation over religion in contemporary times. It concludes with an analysis of social change in relation to religion.

Course outline –

1) Conceptual classification –

Belief systems, magic and religion elements of religion/Typology

2) Religion in Indian society –

Basic elements of Hindu Religion, Buddha Dharma., Jain Religion, Christian Religion and Islam Religion.

3) Contestation over Religion in India –

Fundamentalism – Communalism – Secularism – Proselytism.

Ref:

- Baird, Robert D. (ed) 1995, Religion in modern India, Manohar pub. Delhi.
- Madan T.N. (ed) 1992, Religion in India, Oxford Univ. Press, New Delhi.
- Muzumdar H.T. 1986, India's religious heritage, Allied pub., New Delhi.
- Ghurye G.S. - Caste and Race in India, Popular pub. Bombay.
- Kolenda Paulin, M., Religion, Caste and family structure.
- Shakir Moin (ed) 1989, Religion, State and politics in India, Ajanta pub. Delhi.

INDIAS POPULATION PROBLEMS

SBA008 – Paper 8

OBJECTIVES:

The objective of the course is to familiarize the students with the current problems in Indian population. The problems of developing societies are attributed to their population size. The student understand population control in terms of social needs

Course outline:

1. Quantitative problems- over population, higher dependency ratio, Density of population, migration, urbanization.
2. Qualitative problems – poverty, unemployment, low standard of living, illiteracy, food and nutrition, slums, housing shortage, crime, prostitutes.
3. Population planning and control – India's population policy, Govt. agencies in family planning programs.

Ref :

- Shrivastava O.S., 1994 Demography and population studies, Vikas pub. House, New Delhi.
- Sharma Rajendra, 1997, Demography and population problem, Atlantic pub, New Delhi.
- Chandrashekhar S. (ed) 1974, Infant mortality, population growth and family planning in India, George Allen and unwin ltd, London.
- Finkle, Jason L and C Alison (ed) 1994, The new policies of population, the population council, New Delhi.

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the **revised syllabi** as mentioned against their names under the **Faculty of Social Sciences as under :-**

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is **effective from** the Academic Year **2015-16 & onwards** as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
 Aurangabad-431 004.
 REF.NO.ACAD/SU/SOCIAL SCI./
 2015/3310-709

Date:- 16-06-2015.

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Director,
Board of College and
University Development.

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards

- 4 -

:: 2 ::

Copy forwarded with compliments to:-

- 1] The Principals, affiliated concerned colleges,
Dr. Babasaheb Ambedkar Marathwada University

Copy to :-

- 1] The Controller of Examinations,
- 2] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 3] The Superintendent, [B.A. Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Record Keeper.

==**==

S*/-160615/-

HISTORY SYLLABUS FINAL

**DR.BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD**



SYLLABUS OF

Third Year

B.A. (History)

Semester Vth & Vith

(Effective From: - 2015-2016 & onwards)

HISTORY SYLLABUS FINAL

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

SYLLABUS OF B.A.IIIrd
YEAR (HISTORY) SEMESTER SYSTEM
(Effective From: - 2015-2016)

- 1) Each Semester consist of Four papers
- 2) Each paper will be of 50 marks:
- 3) Semester-end examination will be of 90 minutes for each paper.

Paper No.	Title of the paper	Credits Allotted	Periods Allotted
SEMESTER – Vth			
9	Historiography	04	60
10	History of Indian National Movement (A.D. 1885 – A.D. 1947)	04	60
11	Women's Struggle in Modern India OR History of Modern China (A.D. 1900 – A.D.1950) OR History of India (A.D. 1757- 1885)	04	60
12	Project work	04	60
SEMESTER- VIth			
13	Fields of History (Archaeology, Museology and Tourism)	04	60
14	Landmarks in the History of modern world	04	60
15	Glimpses of the History of Marathwada OR Nationalist movements in south - East - Asia	04	60
16	Project work	04	60

NOTE:

1. One period of 50 minutes
2. 60 periods are meant for classroom teaching and Project work.

HISTORY SYLLABUS FINAL

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

SYLLABUS OF B.A.III rd YEAR (HISTORY)

(SEMESTER WISE)

SEMESTER Vth

PAPER NO. 09 - HISTORIOGRAPHY

Sr.No.	Name of the Chapter	Periods Allotted
1.	History : Definition, Nature, Scope, Kinds of History, History as a Science and History as an Art	10
2.	History and Other branches of Knowledge : History and Archaeology, History and Anthropology History and Geography, History and Sociology. History and Economics, History and Political Science.	12
3.	Sources of History: Classification of Sources. Evaluation of sources – Authenticity and credibility	10
4	Modern Thinkers of History : Ranke, Hegel, Karl Marx, Toyanbee.	10
5	Major trends in Indian History writing : Orientalist, Imperialist, Nationalist, Marxist, Subaltern.	10
6	Use & Abuse of History	04
7	History Research Method	04
	Total periods	60

NOTS: 1. 60 periods = 04 credit

HISTORY SYLLABUS FINAL

PAPER NO. 09 – HISTORIOGRAPHY

SUGGESTED READINGS:

1	Aaron Ramond	Introduction to the Philosophy of History
2	Barnes H.E.	A History of Historical Writing : New York 1962
3	Berlin Isaiah	Historical Inevitability, London, 1954
4	Bury J. B.	A History of Freedom of Thought.
5	Burtt Herbert	History of Human relations: London 1951
6	Cohen M.R.	The meaning of Human History: Chicago, 1961.
7	Collingwood R.G.	The Idea of History: London 1961
8	Croce Benedetto	History its theory and practice: New York 1961
9	Geast	History as System: New York 1961
10	Geyl Pieter	Use and Abuse of History: New Haven 1955
11	Geyl Pieter	Encounters in History : London, 1963
12	Gooch G.P.	History and Historians in the Nineteenth Century; London, 1952
13	Gottchalk Louis (Ed)	Generalization in the Writing of History; Chicago,1963
14	Joshi V.V.	The Problem of History and Historiography; Allahabad, 1946
15	Lewis H.D.	Freedom and History London, 1962
16	Mises L.V.	Theory and History; London, 1958
17	Muller H.J.	The Use of the Past; New York 1957
18	Popper K.R.	The Poverty of Historicism; London, 1957
19	Randall J.H.	Nature and Historical Experience: New York,1962
20	Russel Bertrend	Understanding History: New York 1957
21	Thomson J.W.	History of Historical Writing; New York, 1948
22	Toynbee A.J.	Civilization of Trial; New York 1948
23	R.C.Majumdar & A.N. Shrivastav	Historiography; Surjeet Book Depot, Delhi,1974
24	E.H. Carr	What is History; Continental Publisher, 1954.
25	Sen S.P. (E.d)	Historians and Historiography in Modern India.
26	B. Shaikh Ali	History its theory and method; Macmillan India Ltd. Madras, 1978
27	K.N. Chitnis	Research Methodology in History; Pune 1979
28	Gardiner	Theories of History
29	Gardiner	Guide to Historical Method

मराठी हिंदी संदर्भ ग्रंथांची सूची :

१	ई.एच.कार अनुवादक प्रा. वि.गो.लेले	इतिहास म्हणजे काय कॉन्टिनेंटल प्रकाशन, पुणे
२	गार्टन चार्ल्ड	इतिहासका इतिहास हरियाणा साहित्य अकादमी चंदिगढ, १९८८
३	डॉ. गोविंदचंद्र पांडे	इतिहासः स्वरूप एवं सिध्दांत राजस्थान हिंदी ग्रंथ अकादमी, जयपुर १९९८
४	डी.डी.कोशाणी	पुराणकथा व वास्तवता
५	द.वि. केतकर	इतिहासतील अमृतप्रवाह
६	म.ह.बखरे	साधन चिकित्सा लोकवाङ्मय ग्रंथ, मुंबई १९७६
७	वि.द.घाटे	इतिहास शास्त्र आणि कला देशमुख

			प्रकाशन, पुणे.
८	प्रभाकर देव		इतिहास : एक शास्त्र कल्पना प्रकाशन, औरंगाबाद
९	अकाशिव आठवले		इतिहासाचे तत्पज्ञान प्रज्ञा पाठशाळा मंडळ, पार्स १९६७.

HISTORY SYLLABUS FINAL

PAPER NO. 10 : HISTORY OF INDIAN FREEDOM MOVEMENT (A.D. 1885-A.D. 1947)

Sr. No.	Name of the Chapter	Periods Allotted
1	Background : Nature, policies and administration of British rule in india.	10
2	Rise of Nationalism in India – Causes and Development.	08
3	Indian National Congress and National movements : A) Origin of Indian National Congress, B) Leadership of moderates and extremists.	10
4	Revolutionary movements: Rise, nature and importance of the revolutionary movement. Role of women in Indian freedom movement.	6 4
5	Nationalist movement under the leadership of Mahatma Gandhi.	10
6	Rise of communalism leading partition, and independence of India.	12
	Total Periods :	60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO. 10 : HISTORY OF INDIAN FREEDOM MOVEMENT (A.D. 1885-A.D. 1947)

SUGGESTED READINGS:

1	Chandra Bipin	Communalism in Modern India
2	Chandra Bipin	The rise and Growth of Economic Nationalism in India.
3	Das M.N.	Economic and Social Development of Indian under the British Rule.
4	Desai A.R.	Social Background of Indian Nationalism
5	Datta K.K.	A Social History of Modern India
6	Dutt R.C.	Economics History of India
7	Jones Kenneth	Social and Religious Reform Movement in Modern India.
8	Joshi P.C.(ed.)	Rem-mohan Roy and the Process of Modernization of India.
9	Joshi P.C.	Rebellion
10	Joshi P.C.	Land Reforms in India-Trends in Perspective
11	Gadgil D.R.	Planning and Economics policy of India.
12	Raychaudhari Tapan (ed.)	Indian Economy in the 19 th Century : A Symposium.
13	Ravinder Kumar (ed.)	Social History of Modern India.
14	Ravinder Kumar	Essays on Ghandhian Politics
15	Kumar Ravinder	Essays in the Social History of Modern India.
16	Kumar Ravinder	Western Indian in the 19 th Century
17	Roy Tirthankar	The Economic History of India 1857-1947
18	Sarkar Sumit	Modern India
19	Stokes Eric.	Peasants and the Raj ; Studies in Agrarian Society and Peasant Rebellion in colonial India.
20	Griffiths S.P.	The British impact on India.
21	Buch M.A.	Rise and Growth of Indian Militant Nationalism.
22	S. Gopal	British Policy in India
23	C. Heimsant	Indian Nationalism and Hindu social Reform
24	K.P. Karunakaran	India In World Affairs.
25	B.R. Nanda (Ed.)	Indian Foreign Policy – the. Neharu Years.
26	V.P. Menon	Integration of the Indian States.
27	V.P. Menon	Transfer of power in India.
28	Paresh C.N.	Sardar Vallbhai
29	Vakil C.N.	Industrial Development of India, Policy and Problems.
30	Kishore Brij and Sing B.P.	Indian Economy through the Plans
31	Singh V.B. (Ed)	Economics History of India 1857-1956
32	Forbes A.	The Afgan Wars
33	Baden Powell B.H.	Land Systems of British India.
34	Dharam Kumar (Ed)	The Cambridge Economics History of India Vol.II 1757-1957
35	Desai A.R.	Peasant Struggles in India.
36	Datta R. Palme	India Today
37	Dhanagare D.N.	Peasant Movements in India.
38	Datta K.K.	Renaissance, Nationalism & Social Changes in Modern India.
39	Natrajan J.	History of Indian Journalism
40	Sanial S.L.	History of Press in India.

41	Mujumdar R.C.	History and Culture of Indian People Vol. 9,10,11
42	Chintamani C.Y.	Indian Railways
43	Bipin Behari	Economic Growth and Technology Change in India.
44	Datta V.P.	India's Foreign Policy; New Delhi 1987
45	Rao M.S.A.	Social Movements in India Vol. I & II
46	Tara Chand	History of the Freedom Movement in India Vol. I,II,III & iv ; (New Delhi 1983)
47	S.B. Pattabhai	The History of Indian National Congress Vol.I,II
48	Hira Singh	Colonial Hegeomony and popular Resistance
49	Rajkumar	Aspects of Economy, Society & Politics in Modern India.
50	Keith A.B.	Constitutional History of India.
51	Agrawal A.C.	India and National Movement.
52	Gadgil D.R.	The Industrial Evolution of India in Recent Times, Fourth edition onfora University Press, Calcutta- 1959
53	Gupta D>C.	Indian National Movement and Constitutional Development.
54	Kapur A.C.	Constitutional History of India (1765-1984)

मराठी संदर्भ ग्रंथ :□

१	आचार्य जाणडेकर	आधुनिक भारत
२	अनंत भालेराव	हैद्राबाद मुक्तलढा व मराठ्याडा
३	गोविंद तळवलकर	नौरोजी ते नेहरू
४	गोविंद तळवलकर	संसांतर भाग १, २
५	वसंत नगरकर	पाकिस्तानचे जन्मसहस्य
६	डा. गो. कोलाकर	स्यतंज भारताचा इतिहास
७	दिवाण चंद्रशेखर	भारताची पिदेशमिती
८	खैरगाडे चां. भ.	हिंदुकोठ खील
९	मर्गे डा. मा., कुलकर्णी डा. डा.	भारतीय राज्यघटनेचा इतिहास
१०	कुमार केतकर	कथा स्यतंज्याची
११	प्रधान म. प्र.	स्यतंज संवामाचे महाभारत □साधना प्रकाशन, पुणे □ १९८९
१२	पैद्य, कोठेकर	आधुनिक भारताचा इतिहास
१३	पैद्य, कोठेकर	स्यतंज भारताचा इतिहास

HISTORY SYLLABUS FINAL

PAPER NO. 11 – WOMEN’S STRUGGLE IN MODERN INDIA (A.D. 1850- A.D. 1947)

Sr. No.	Name of the Chapter	Periods Allotted
1	Major issues and conception of women’s problems in 19 th Century: Child marriage. Sati Tradition. Life of widows. Bans on Woman Education. Secondary position of women in family and Society.	12
2	Women and Social Struggle. a) Approaches- Conservative. Progressive (Pandita Ramabai and D.K. karve). Anticaste (Mahatma Phule, Tarabai Shinde, Dr.B.R. Ambedkar) b) Struggle for Women’s education.	14
3	Social reform movement and women’s emancipation.	10
4	Women’s participation: a) Women in tribal and peasant struggle. b) Women in national struggle for independence c) Women in Caste movements.	14
5	Women and Law: Consent bill. Sharada Act. Patel bill.	10
Total periods :		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO. 11 – WOMEN’S STRUGGLE IN MODERN INDIA (A.D. 1850- A.D. 1947)

SUGGESTED READINGS:

1	Agnew Vijay	Elite Women in Indian Politics; Delhi Vikas 1979
2	Altekar A.S.	The Positions of women in Hindu Civilisation; Motilal Banarasidas , Delhi, 1978
3	Basu A. and Ray B.	Women’s Struggle : A History of the all India Women Conference, 1927-1990; Delhi, Manohar 1990
4	Borhwick M.	The Changing Rle of women in Bengal 1849-1905; Princet on University Press, Princeton, 1984
5	Chakravarti Uma and Kumkum Roy	Breaking out of invisibility : Rewriting the History : Changing perception of the Role of women in Politics and Society; UNESCO, Berg, 1988
6	Dehejia, Vidya	Representing the Body : Gender Issues in Indian Art, Kali for women, Delhi 1997
7	Desai Neera	Women in Modern India; Vora. Mumbai-1957
8	Everett, Jana M	Women and Scial Change in India; Heritage Publisher, Delhi, 1981
9	Forbrd, Geraldine	Women in Modern India; Cambridge University Press, Cambridge, 1996.
10	Jayawardene Kumari	Feminism and Nationalism in Third World; Zed BookS, London,1986
11	Joshi V.C. (Ed.)	Rammohan Roy and the Process of Modernisation in India, Delhi- 1975
12	Krishnamurty,J. Ed.	Women in Colonial Indian : Essay on Survival work and the State; OUP, Delhi,1989
13	Leslie I, Julia Ed	Eoles and Rituals for Hindu Women; Frirleigh dickinsin University Press, Rutherford, N.J. 1991
14	Liddle and Rama Joshi	Daughters of Independence : Gender, Caste and Class in India; Zed Books London, 1986
15	Mani, Lata	Contentious Tradition : The Debate on Sati in Colonial Indian; University of California Press, Berkeley, 1998
16	Mazumdar, Vina	Symbols of Power : Studies on the Political Status of Women in Indin; Allied Delhi, 1979.
17	Minault Gail	Scheduled Scholars : Women’s education and Muslim Social Reform in Colonial India; OUP, Delhi, 1998
18	Hate Chandrakala	Changing Status of Women
19	Randive Vimal	Women Workers of India
20	Kaul Krishana Prasad	The Position of Women Indian Society.
21	Minault Gail	The Extended family : Women and Political Participation in India and Pakistan; South Asia Book, Columbia Mo, 1981
22	Misra Rekha	Women in Mughal India (1526-1748 AD) Munshiram Manohartal, Delhi,1967
23	Murshid Ghulam	Reactant Debutante : Response of Bengali Women to Modernization 1849-1905 Rajshahi University,

		Rajshahi, 1983
24	Nair Janaki	Women and Law in Colonial India: Social History, Kali for Women; Delhi 1996
25	Nanda B.R. (Ed)	Indian Women : From Purdah to Modernity; Vikas, Delhi,1976
26	Ray, Bharati and Basu, Aparna (Ed)	From freedom to Independence women and fifty years of India's Independence: OUP Delhi, 1999
27	Sangari, Kumkum and Sudesh Vaidya	Recasting Women; Essays on Colonial History, Kali for Women: Delhi, 1990
28	Siha, Mrianlini	Colonial Masculinity: Manchester University Press, Manchester 1995
29	Taru, Susie and K. Lalita (eds)	Women Writings in Indian Vol. I 600 BC to the early Twentieth Century, Vol. II The Twentieth Century 1960-1991
30	Towards Equality:	Report of the Committee on the Status of women in India; Delhi, 1975.

मराठी-हिन्दी संदर्भ ग्रंथ सूची

१	यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ	आधुनिक भारतातील स्त्री जीवन
२	दे. ना. टिळक	महाराष्ट्राची तेजस्विनी पंडिता बमालाई
३	डॉ. कमलाबाई देशपांडे	स्त्रियांच्या काराव्याची वाटचाल
४	मालश्री आघटे	विधवा विवाह चळवळ
५	लक्ष्मीबाई टिळक	स्मृति चिन्हे
६	बमालाई बानडे	आमच्या आयुष्यातील काही आठवणी
७	डॉ. बसोजिनी बाबुर	स्त्री शिक्षणाची वाटचाल
८	गोदावरी परबलेकर	झेव्हा माणूस जागा होतो
९	विश्वंभ मा. श्री.	श्री बमालाई बानडे, व्यक्ति आणि कार्य
१०	गणराज्य बोहिणी	कॅप्टन लक्ष्मी व बाणी झांशी रेजिमेंट
११	भागवत कमल व इतर	स्त्री चळवळीची वाटचाल
१२	लिमये नीला, देशपांडे मिलिमा	राष्ट्रीय स्तरातल्याची चळवळ, कलित व स्त्री मुक्ति

OR

HISTORY SYLLABUS FINAL

PAPER-11 HISTORY OF MODERN CHINA (A.D. 1900- A.D.1950)

Sr.No.	Name of the Chapter	Period Allotted
1	Political and Economic conditions of China during first two decades of 20 th Century. a) Economic supremacy of the western countries. b) Republican government initiated by Dr. Sun-Yet Sen.	10
2	May 4 th movement (1919) : Causes, nature and importance	08
3	Foundation of Chinese communist party; It's relations with Kuomintang and Kuomintang.	10
4	Kuomintang- Communist Struggle (1928-1935)	10
5	China during the period between (1936 to 1945) a) Second Sino – Japanese War. b) Second World War and China c) Civil war and the defeat of Kuomintang.	12
6	Mao Zedong and his role in the communist revolution in china	10
Total periods:		60

NOTE:

1] 60 periods = 04 credits

OR

HISTORY SYLLABUS FINAL

HISTORY OF MODERN CHINA (A.D. 1900- A.D.1950)

SUGGESTED READINGE:

1	Paul H. Clyde	The Far East
2	Immanuril C.Y. Hus	The Rise of Modern China
3	R.S. Gupte	History of Modern China
4	Edger Snow	The Red Star over China
5	Edger Snow	Red China Today
6	B.E. Shinde	Mao Ze dong and the Communist Policies.
7	Allen George	A short History of Modern China
8	Bianco Lucien	Origins of the Chinese Revolution.
9	Chen Jerome	Mao Tse-Tung and China Revolution
10	Chesneaux Jean et al	China from opium Wars to Revolution
11	Chesneaux Jean et al	China from the 1911 Revaluation to liberatory
12	Fairbank Johnk and Others	East Asia Tradition and Transformation.
13	Petter Nathaniel	The Far East: A Modern History
14	Franz Schruman and Others	Republican China
15	Franz Schruman and Others	Communist China

मराठी □ हिन्दी संदर्भ ग्रंथ सूची

१	रामशास्त्री	माझो क्रांतीचे चिज व चरिज
२	वि. वा. कनिटकर	माझो क्रांतीचे चिज व चरिज
३	अरुण भाधू	आणि रुगन जाग झाला
४	ब. शा. गुप्ते	पुरव आशियाचा आधुनिक इतिहास

HISTORY SYLLABUS FINAL

OR

PAPER-11 HISTORY OF INDIA (A.D. 1757- 1885)

Sr.No.	Name of the Chapter	Period Allotted
1	Advant of European Powers in India Indian Polity & Economy in the Mid-Eighteenth Century	09
2	Expansion and consolidation of British Power Bengal, Punjab, Audh, Mysore, Maharashtra.	09
3	Early Phase of British Rule I. Administrative & Judicial Structure II. Education III. Press IV. Activities of Missionaries	08
4	Economy I. Agarian Settlement – Permanent Settlement Ryatwari Settlement & Mahalwari system Commercialization of agriculture II. Traditional handicraft industry & Question of de – industrialization. III. Railway, Post & Telegraphs. IV. Large Scale Industry- Cotton, Jute Iron & Steel. V. Famine & British Policy. VI. Internal & External Trade .	12
5	Socio- Religions reform Movement Brahmo Samaj Satyshodhak Samaj Arya Samaj Prarthana Samaj	08
6	Resistance to colonial Rule I. Nature to form of Resistance II. Pre-1857 Peasant & Tribal resistance. III. Revolt of 1857 – nature, causes leadership & impact.	09
7	Rise and growth of Indian nationalism Early political organizations & Foundation of Indian National Congress	05
Total periods:		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

OR

PAPER-11 HISTORY OF INDIA (A.D. 1757- 1885)

SUGGESTED READING:

1	Desai A.R.	Peasant struggles in India
2	Chandra Bipin	Rise and Growth of Economic Nationalism in India.
3	Chandra Bipin	Modern India
4	Chandra Bipin	Nationalism and Colonialism in Modern India.
5	Datta K.K. (Ed)	A Comprehensive History of India Vol.XI.
6	Gadgil D.R.	Industrial Evolution of India.
7	Dharma Kumar (Ed)	Cambridge Economic History of India Vol.II
8	Dharma Kumar and Desai M. (Ed)	Land & Caste in South India.
9	Eric Stokes	English Utilitarians and India.
10	Gupta P.S.	Imperialism and British Labour
11	Kenneth W. Jones	Socio Religious Movements in India
12	Kenneth W. Jones	The New Cambridge History of India Vol. II
13	Naik J.P. and Nurullah S.	History of Education in India during the British Period.
14	R.C. Dutt	India To-day
15	Ramakrishna Mukherjee	Rise and Fall of East-India Company.
16	Vamandas Basu	Survey of India Social and Economic Condition in the Eighteenth Century (1707-1813)
17	Vamandas Basu	Ruin of Indian Trade and Industry.
18	Bal Krishna	Commercial Relations between India and English.
19	K.N.Pannikar	Culture, Ideology Hegemony Intelligentsia and Social Consciousness in Colonial India.
20	Rosalind O Hanlon	Cast Conflict and Ideology.
21	Metcalfe	Ideologies of Raj.
22	Kope David	British Orientalism and Bengal Renaissance the Dynamics of Indian Modernisation 1713-1835
23	Bhatt V.V.	Aspects of Economic Changes and Policy in India 1800-1900
24	Sen Sunil	Peasant Movements in India.
25	Tapan Raychoudhari & Irfan Hobib	Cambridge Economic History of India. Vol.IX. 1200-c 1750
26	Bagchi A.	Private Investments in India.
27	Pagadi Setu Madhavrao	Eighteenth Century Deccan
28	Romesh Dutt	The Economic History of India. (1757-1837)
29	Charless Heimsath	Indian Nationalism and Hindu Social Reform
30	A.R. Desai	Social Background of Indian- Nationalism.
31	Bhatt V.V.	Aspects of Economic Changes and Policy in India 1800-1900

32	Bhattacharya D.	Concise History of the Indian Economy 1750-1950.
33	Chaudhari K.N. (Ed)	The Economic Development of India under the East India Company 1814-1858
34	Guha Sunit	The Agrarian Economy of the Bombay Deccan
35	Ghosal H.R.	Economic Transition in Bengal Presidency
36	Chattopadhyaya Hariprasad	The Sepoy Mutiny
37	Sen Surendrenath	Eighteen Fifty Seven(1957)
38	Lyall A	The Rise and Expansion of British Dominion in India.
39	Thompson Edward & Garraat G.T.	Rise and Fulfillment of British Rule in India.
40	Phillips C.H.	The East India Company – 1784-1834
41	Mujumdar R.C.	The Sepoy Mutiny & The Revolt of 1857.
42	Wheeler J.T.	Early Records of British India
43	Tripathi A	Trade and Finances in Bengal Presidency (1793-1833)
44	Panikar K.M.	Evolution of British Policy towards Indian States (1774-1858)
45	Dutta R.C.	Famines and Settlements in India.
46	Dutta R.C.	India in the Victorian Age.
47	Dutta R.C.	India under Early British Rule.
48	Tarachand	History of Indian Freedom Struggle.

PAPER NO. 12 PROJECT WORK

The projects should be based on the following topics –

- 1) Forts
- 2) Caves
- 3) Historical Monuments.
- 4) Saints.
- 5) museums.
- 6) Religious Traditions.
- 7) Local History.
- 8) Late Prominent Leaders.
- 9) Social Workers.
- 10) Social Movements at Taluka or District Level.
- 11) Inscriptions.
- 12) Women Movements at Taluka or District Level.
- 13) Peasant Movement.
- 14) Labour Movement.
- 15) Hyderabad Freedom Struggle.
- 16) Temples (Art & Architecture.
- 17) Archives.
- 18) Archaeology Sites.
- 19) Epigraphy (Coin Study).
- 20) Prominent Historians.
- 21) Reporting of the Lectures Series arranged in college.

1. 60 periods are meant for classroom teaching and Project work.

HISTORY SYLLABUS FINAL

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

SYLLABUS OF B.A.IIIrd YEAR (HISTORY)

SEMESTER SYSTEM

SEMESTER- VIth

PAPER NO. 13 FIELDS OF HISTORY (ARCHAEOLOGY, MUSEOLOGY, TOURISM)

Sr. No.	Name of the chapter	Periods Allotted
	Objective: History is allied and deeply rooted in the various fields of professions. And this course will orient the students in leading and using then as a part of their historical acknowledge.	
1	Archaeology : a) Meaning and object b) Archaeology and Anthropology, Archaeology and Material Sciences. c) A brief history of Indian Archaeology.	15
	Process in Archaeology: a) Search of Archaeological Sites. b) Collection and classification of Archaeological material (remains)	10
2	Museology : a) Definition of museum and Museology. b) Aims and function of History museums. c) Documentation, identification, classification and indexing of the material. d) Use of History Museum.	15
3	Tourism : a) Definition and object of Tourism, role of History in Tourism. b) Distinction between travelers and visitors, excursionist and business tour. c) Motivation of Tourism – Pleasure education, culture, Social, ethic, religion, health, history.	12
4	Types and forms of Tourism: Domestic, regional, national and international.	08
Total periods:		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO. 13 FIELDS OF HISTORY (ARCHAEOLOGY, MUSEOLOGY, TOURISM)

SUGGESTED READINGS:

1	D.K. Chakrabarti	History of Indian Archaeology; Mushiram Manotaicalal, Delhi- 1988
2	Daniel Glyn	The Origins and growth of Archaeology; Penguin Book, Harmondswrth, 1967
3	Mishra F.	Researches in Archaeology and Conservation; Sandeep Prakashan, Delhi- 1999
4	Deglurkar G.B.	Temple Architecture and Sclupture of Maharashtra; Nagpur- 1974.
5	Fergusson J. & Burgess	Cave Temples of India; London, 1880.
6	Prabhakar Deo	Temples of Marathwada
7	Sankliya and Deo	Indian Archaeology a Review 1957-1958
8	Sankliya, Deo and Ansari	From History to prehistory at Nevasa; Poona,1960
9	Smita J. Baxi and V.P. Dwivedi	Modern Museum; New Delhi, 1973
10	M.D. Sankaliya	Indian Archaeology Today.
11	A.V. Naik	Archaeology of the Deccan.
12	S.K. Dikshit	Introduction to Archaeology.
13	A.N. Khanna	Archaeology of India.
14	Bhatia A.K.	Tourism in India – History and Development, Sterling, New Delhi, 1978
15	Butler R.W.	The Social implication of Tourism Development, Tourism Research 2, 1974.
16	Cooper C.	Tourism Principles and practices; Pitman, London, 1993.
17	Davis H.D.	Potentials for Tourism of Developing Countries, Finance and Development; London, 1968.
18	Crampon L.T.	Development of Tourism; University of Colorado Press, Colorado, 1963.
19	Seth Prem Nath	Tourism Development, Sterling Publication, New Delhi.
20	Kaul	Dynamics of Tourism; Sterling, New Delhi.
21	Mill and Morrison	The Tourism System and Introductory Text; 1991.
22	P.S. Gill	Dynamics of Tourism – 4 Vols, Anmol Publication.
23	A.P. Singh	Conservation and Museum Techniques; New Delhi, 1987.

मराठी संदर्भ ग्रंथ

१	शोभना गोखले	पुनाभिलेख विद्या
२	शा. भा. देव	महाराष्ट्र एक पुनातत्पीय समालोचन
३	सांकलीया माटे	महाराष्ट्रातील पुनातत्प
४	मो. ग. दीक्षीत	महाराष्ट्रातील काही शिलालेख व ताम्रपट
५	पी. के. काने	भारत वर्षाचा प्राचीन भूगोल
६	गौरीशंकर ओझा	प्राचीन भारतीय लिपी माला
७	शा. भा. देव	तेवपुनातत्प वस्तुसंघहालयाचे विभाग, मुंबई
८	मधुकर ढवळीकर	पुनातत्प विद्या मुंबई १९८०
९	मधुकर ढवळीकर	प्राचीन भारतीय नामक शास्त्र पुणे १९७५
१०	ब. बा. जोरकर	हरिवंश "साप्ताहिक" १९९० "नाण्याचा उगम आणि प्रगती"
११	शा. भा. देव	पुनातत्प विद्या, पुणे १९७६

HISTORY SYLLABUS FINAL

PAPER NO. 14 - LANDMARKS IN THE HISTORY OF MODERN WORLD

Sr.No.	Name of the Chapter	Period Allotted
1	Renaissance and Reformation in Chapter	10
2	American war of Independence Causes, Course and Consequences	08
3	French Revolution: Causes, Course and Consequences	08
4	Industrial Revolution: Background, Development, Significance.	10
5	European imperialism in Asia & Africa First World War : Causes and Effects	08
6	Russian Revolution of 1917 : Causes, Course and Consequences.	08
7	Second World War : Causes, Course and Consequences	08
Total periods:		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO. 14 - LANDMARKS IN THE HISTORY OF MODERN WORLD

SUGGESTED READINGS:

1	Hazen	Modern Europe
2	Grant & Temperley	Europe in 19 th & 20 th Century
3	E.H. Carr	International relation between Two world Wars.
4	Lipson	Europe in the 19 th and 20 th Centuries.
5	H.P.T.Moon	Imperialism and world politics.

मराठी □ हिन्दी संदर्भ ग्रंथ सूची

१	डॉ. जे.ए. सुभ्रम	आधुनिक जग
२	आठपले भद्राशिव	अधुनिक युरोप
३	कुलकर्णी अ.बा.च फडके श्री.बा.	आधुनिक युरोप
४	शिवगांधकरी शशावती	आधुनिक युरोपचा इतिहास
५	गायकवाड, कदम, धोबात	आधुनिक जगाचा इतिहास भाग १ व २
६	जयशिंगराव पवार	आधुनिक युरोपचा इतिहास
७	कोलाबकर	आधुनिक युरोप
८	हरिहर ठोस	आधुनिक युगातील विद्यार्थ्यांसाठी

HISTORY SYLLABUS FINAL

**PAPER NO 15 – GLIMPSES OF THE HISTORY OF MARATHWADA
(U.P. TO A.D. 1948)**

Sr. No.	Name of the Chapter	Periods Allotted
1	Political History of Marathwada – A brief Survey.	12
2	Religious movements : Brahminism, Buddhism, Jainism, Mahanubhav, Veershiva, Varkari movement, Sufism.	12
3	Art and Architecture, Temple Architecture, Forts.	12
4	Socio-Economical and cultural History of under the Nizam state	12
5	Hyderabad freedom Struggle. Role of all India Scheduled Cast Federation in Hyderabad Freedom Struggle.	12
Total periods :		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO 15 – GLIMPSES OF THE HISTORY OF MARATHWADA
(U.P. TO A.D. 1948)

SUGGESTED READINGS:

1	Dr. Pathy T.V.	Ellora – a Cultural Study
2	Dr. Deo Prabhakar	Temples in Marathwada
3	Dr. Kate P.V.	Marathwada under the Nizams (1724-1948)
4	Dr. Morvanchikar R.S.	Paithan Through the Ages
5	Dr. Morvanchikar R.S.	The City and Saints
6	Dr. Dhendgle B.S.	Freedom Struggle of Marathwada

मराठी □ हिन्दी संदर्भ ग्रंथ सूची

१	प्रा. म. श्री. माटे	प्राचीन भारतीय काला
२	प्रा. शोभना गोखले	पुराभलेख विद्या
३	डॉ. शां. मा. देव	पुरातत्व विद्या
४	नि. पु. जोशी	मूर्ती विज्ञान
५	म. श्री. माटे	मराठवाड्याचे कलावैभव
६	पु. ग. बाह्रजबुध्दे	महाराष्ट्र संस्कृती
७	डॉ. बा. श्री. मोरचिकर	दक्षिण काशी पैठण
८	डॉ. बा. श्री. मोरचिकर	भातवाहनकालीन महाराष्ट्र
९	प्रा. बी. जामठाडीकर सुलभा	सुवर्णनगरी तेव
१०	डॉ. कर्वे इनामती	मराठी लोकांची संस्कृती
११	पामसे ग. म.	यादवकालीन महाराष्ट्र
१२	देशपांडे ब्रह्मानंद	देवगिरीचे यादव
१३	हनुमन्त धीरजलाल बांकलिया, मधुकर श्रीपाद माटे	महाराष्ट्रातील पुरातत्व
१४	देशपांडे ब्रह्मानंद	शोधमुद्रा
१५	म. के. ढवळीकर	पुरातत्व विद्या
१६	गोपिक बब्रानाम अब्दुसई (खंड १)	ब्रिटीश बियागत
१७	गोपिक बब्रानाम अब्दुसई (खंड २)	ब्रिटीश बियागत
१८	य. दि. फडके (खंड १, २)	पिशाच्या शतकातील महाराष्ट्र
१९	य. दि. फडके (खंड ३)	पिशाच्या शतकातील महाराष्ट्र
२०	विष्णू भिकाजी कोलते	बधानपाणी
२१	लक्ष्मीकांत देशमुख, विल धारकर	मुक्तिसंग्राम
२२	अनंत भालेराव	ब्रह्मी ब्रह्मानंद तीर्थ
२३	प्रा. भगवान काळे	मराठवाडा: काल आणि आज
२४	बेतू माधवराव पगडी	जीवनबेतू
२५	आ. कृ. वाघमारे (खंड २)	संघर्ष
२६	प्रिनायकराव चवठाणकर	ब्रह्मसंघर्ष संग्राम
२७	हनुमंत गणेश वैष्णव	मागे पळून पाहतांना
२८	प्रा. भगवान काळे	संयुक्त महाराष्ट्र: काल आणि आज
२९	डॉ. ज्योत्सना धारपुरे	अशा झुंजलो आम्ही
३०	बफिक झकेरिया	बाबदार पटेल आणि भारतीय मुक्तलगाव
३१	नांदेड जिल्हा संदर्भ ग्रंथ समिती	महाराष्ट्र राज्य बौद्ध महोत्सवी

		प्रकाशन
३२	बु. ग. जोशी	मराठवाडा संशोधन मंडळ वार्षिक ग्रंथ, १९७५
३३	अनंत भालेबाब	पेटलेले दिवस
३४	आ. द. सातोबकर	गोमंतक (खंड ३)
३५	प्रा. ठसम सुर्यवंशी	गोदाकाठचा राजयोग
३६	लालजी पेंडसे	महाराष्ट्राचे महामध्यम
३७	ब्रह्मी रामानंद तीर्थ: संपादक प्रि. पा. देऊळगायकवार	हैद्राबाद मुक्तिसंग्रामाच्या आठवणी
३८	भालेबाब अनंत	हैद्राबाद मुक्तिसंग्राम व मराठवाडा
३९	डॉ. कुलकर्णी श्री. रं.	मोगलकाळातील झुंजार शहरदार

OR

HISTORY SYLLABUS FINAL

PAPER NO. 15 NATIONALIST MOVEMENTS IN SOUTH - EAST – ASIA

Sr.No.	Name of the Chapter	Periods Allotted
1	European colonial rule in South- East- Asia: Nature and Impact	12
2	Rise and growth of nationalist movement: a) Indonesia- ole of Sukarno and Hatta b) Burma- Role of Aung Sun. Dr.Barma	12
3	Rise and growth of Nationalist movements: a) Phillipins b) Indo-China- Rold of Chi Minh	12
4	Modernization programme in Thailand (1851-1910). And Revolution of 1932	
5	Japanese occupation of South-East-Asia during Second World War.	12
Total periods :		60

NOTE:

1] 60 periods = 04 credits

OR

HISTORY SYLLABUS FINAL

PAPER NO. 15 NATIONALIST MOVEMENTS IN SOUTH - EAST – ASIA

SUGGESTED READINGS:

1	Harrison B.	A short history of Southeast Asia
2	Sardesai R.R.	Southeast Asia
3	Kahin G	Govt. & Politics of Southeast Asia
4	Cady J.F.	Southeast Asia : Its Historical Development
5	A Doak Darnett	Communist Strategies in Asia
6	Stuart Schram	Marxism and Asia
7	John Bartin and Harry Benda	A History of Modern Southeast Asia
8	Norodom Sihanouk	My War with the CLA
9	Steinberg David J and others	Cambodia, Its People, Society Culture.
10	Bernard , Fall (Ed)	Ho-Chi-Minh on Revolution
11	Lacourtue, Jean	Ho-Chi-Minh
12	D.R.Sardesai	British Trade and Expasion in Southest Asia.
13	D.R.Sardesai	Southeast Asia, Past and Present.
14	Usha Mahajani	Philippine's Nationalism
15	Pham Van Dong	Selected Writings.
16	Bijan Raj Chatterjee	Last Hundred Years in Fae East and Japan
17	Brain Harrison	Southeast Asia
18	Me Vey, Ruth	Rise of Indonesian Communism
19	Fred R. Von Der Mehden	Southest Asia (1930-1970)
20	Nawaz B. Mody	Indonesia under Suharto
21	R.P.Shinha & Surya	Southeast Asia- People's Struggle and Political Indentity
मराठी संदर्भ ग्रंथ सूची		
1	गुप्ते कुलकर्णी	आग्नेय आशियाचा इतिहास
2	डॉ. देवपुजारी	आग्नेय आशिया
3	मो. ना. आंबेकर	आग्नेय आशियाचा इतिहास

PAPER NO. 16 PROJECT WORK

Total Mark -- 100

Project weighting -- 80

Presentation - 20

1. 60 periods are meant for classroom teaching and Project work.

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 21 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO.ACAD/NP/Social Sciences/Syllabus/159/2013**

It is hereby notified for information of all concerned that, on the recommendations of the Boards of Studies, Ad-hoc Boards, and Faculty of Social Sciences, the **Academic Council at its meeting held on 25-03-2013** has accepted **the following revised syllabi for B.A. First & Second Year and with minor changes in the syllabus of B.A. Third Year Home Science under the Faculty of Social Sciences :-**

Sr. No.	Revised Syllabus
[1]	B.A. [Public Administration] Semester- I & II,
[2]	B.A. [Political Science] Semester- I & II,
[3]	B.A. [History] Semester- I & II,
[4]	B.A. [Economics] Semester- I & II,
[5]	B.A. [Sociology] Semester- I & II,
[6]	B.A. [Philosophy] Semester- I & II,
[7]	B.A. [Home Science] Semester- I to IV,
[8]	B.A. [Psychology] Semester-III & IV, Second Year.
[9]	B.A. [Home Science] Semester- V & VI, Third Year Minor Changes,

This is effective from the **Academic Year 2013-2014** and onwards.

These syllabi are available on the University Website **www.bamu.net**

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/NP/SOCIAL SCI./
SYLLABUS /Semester/2013/
5979-6382
A.C.M.A.I.No.21.

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(Signature)
13/05
Director,
Board of College and
University Development.

Date:- 08-05-2013.

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 22 -

:: [2] ::

Copy forwarded with compliments to :-

- 1] **The Principals, affiliated concerned Colleges,
Dr. Babasaheb Ambedkar Marathwada University.**
- 2] The Director, University Network & Information Centre, UNIC, with **a request to upload the above all syllabi on University Website [www.bamu.net].**

Copy to :-

- 1] The Controller of Examinations,
- 2] The Superintendent, [B.A. Unit],
- 3] The Superintendent, [Eligibility Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 7] The Public Relation Officer,
- 8] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University.

==**==

S*/080513/-

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus of

B.A. Ist Year

Sociology

Semester-Ist & IInd with

Semester – 50:50 Pattern

[Effective from -2013-2014 & onwards]

Handwritten signature and date: 20/12/13.

Handwritten signature and date: 20/12/13.

BA I & II Semester

Year	Semester	Paper No	Paper Code	Title of the Paper	Marks
BAFY	Semester I	Paper I	BAS 01	Introduction to Sociology	50 marks
		Paper II	BAS 02	Individual and Society	50 marks
	Semester II	Paper III	BAS 03	Introduction to Subfields of Sociology	50 marks
		Paper IV	BAS 04	Indian Social Composition	50 marks

Paper I: Introduction to Sociology

50 marks

Objective : Sociology is one of the modern social sciences, which has a significant role in society. This Core course is designed to know about the origin and development of the sociology as a discipline in general and development in India in particular. Every Science or Branch has its own subject matter so as Sociology, which correspond society as its subject. This course is designed to study approach, Principles, concepts, methods, and history of sociology.

Unit I: Introduction to Sociology

- Definition
- Subject matter of Sociology & scope
- Development of Sociology (World and India)

Unit II Basic Concepts

1. Society (Definition and characteristics)
2. Social groups (Definition, Characteristics and Types (Primary, Secondary)
3. Social Institutions (Meaning and characteristics.)
4. Social System (Meaning and Prerequisites)

Unit III Perspective in Sociology

- Structural
- Functionalist
- Conflict

Unit IV: The Uses of Sociology

- Analysis of Social Problem
- Evaluation of Social Change
- Social Policy & action

-
- One Seminar should be completed at the end of syllabus

References :-

- Vidyabushan Sachdeva (1996) Introduction to Sociology, Kitab Mahal ,Alahabad
- Bornes H E (1959) Introduction to the History of Sociology, The University press of Chicago.
- Fletcher Ronald (1994) The Making of Sociology (II volumes) Rawat Publications, Jaipur
- Bottomore T B (1972) Sociology: A Guide to problem and Literature, George Allen and Unwin Pub, Mumbai (India)
- Jonson Harry (1995) A systematic introduction, Allied Publishers, New Delhi
- Schaefer Richard T and Robert P Lamm, Sociology , TataMcGraw Hill
- Jayaram N (1998) Introductory sociology, Macmillan India
- John J Makionis(2006) Sociology, Pearson education , New Delhi.
- Melvin L Deflour and others (1984) sociology Human society, Random house, New Delhi
- Robert L Sutherland and J L Woodward, Introudctroy Sociolgy, Lippincott company New work
- Haralambos and Halborn, "Sociology – Theme and prespective", Harper Collins Publisher Ltd London
- Atal Yogesh (2004) Indian Sociology: From where to where, Rawat Publication, New Delhi

मराठी संदर्भ :-

- | | | |
|---|---|-------------------------|
| डॉ. य. श्री. मेहंदळे, समाजशास्त्र | - | फडके प्रकाशन, कोल्हापूर |
| डॉ. सर्जेराव साळुंके समाजशास्त्रातील मुलभूत संकल्पना- | - | नरेंद्र प्रकाशन, पुणे |
| डॉ. प्रकाश बोबडे समाजशास्त्र | - | |
| डॉ. दिलीप खैरनार समाजशास्त्र परिचय | - | डायमंड प्रकाशन, पुणे. |

Paper II : Individual and society

50 marks

Objective: Sociology has been instrumental in changing our attitude towards society analysis. In a specialized society we are all limited as to the amount of the whole organization and culture that we can experience directly. We can hardly know the people of other areas intimately. This course is designed to study different sections of society and the institutions and other structural elements.

Unit I: Individual and society:

- Culture (Definition, characteristics)
- Socialization (Definition & Aims)
- Agencies of Socialization

Unit II: Social Structure

- Definition of social Structure
- Status & Role
- Norms and Values

Unit III: Social Stratification

- Social Stratification (Meaning and nature)
- Caste system (Meaning and Characteristics)
- Class System (Meaning and Characteristics)

Unit IV: Social Change

- social change (Concept & Definition)
- Factors responsible for social change
- Barriers in social change

Unit V: Social Control

- Social control (Definition)
- Types of social control (Formal and Informal)
- Conformity and Deviance (Definition)

-
- One Seminar should be completed at the end of syllabus

References :-

Inkeles Alex (1987) what is Sociology, Prentice Hall of India, New Delhi

Berger P L and Berger B (1976) Sociology: A Biographical Approach, Penguin Books

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Light Donald and Keller S (1975) Sociology, Alfred , New York

Landis P H (1958) Introductory Sociology, The Ronald Press Company, New York

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Vidyabushan Sachdeva (1996) Introduction to Sociology, Kitab Mahal ,Alahabad

Bornes H E (1959) Introduction to the History of Sociology, The University press of Chicago.

Fletcher Ronald (1994) The Making of Sociology (II volumes) Rawat Publications, Jaipur

Bottomore T B (1972) Sociology: A Guide to problem and Literature, George Allen and Unwin Pub, Mumbai (India)

मराठी संदर्भ :-

डॉ. य. श्री. मेहंदळे, समाजशास्त्र	-	फडके प्रकाशन, कोल्हापूर
डॉ. सर्जेराव साळुंके समाजशास्त्रातील मुलभूत संकल्पना-	-	नरेंद्र प्रकाशन, पुणे
डॉ. प्रकाश बोबडे समाजशास्त्र	-	
डॉ. दिलीप खैरनार समाजशास्त्र परिचय	-	डायमंड प्रकाशन, पुणे.

PAPER III Introduction to Subfields of Sociology

50 Marks

Objective: Sociology as a subject has its own discourse however it undertakes many issues concern with the other social science. Gradually several branches of sociology emerged with distinct subject matters. Student of sociology must have the knowledge of those branches to understand the scope of sociology & its wideness. With this objective this course is designed. This will also help to carry interest in the sociology as general and its subfields in particular.

Unit I Sociology and Society

1.1 Urban sociology

- Nature and Scope of Urban Sociology
- Significance of urban sociology

1.2 Rural sociology

- Subject Matter of Rural Sociology
- Significance of Rural sociology

Unit II Sociology and Interaction

2.1 Social psychology

- Nature and scope of social psychology
- Subject matter of social psychology

2.2 Political sociology

- Nature and Scope of Political Sociology
- Subject matter of Political Sociology

Unit III Sociology and culture

3.1 Anthropology

- Meaning of Anthropology
- Scope of Social Anthropology
- Development of social Anthropology in India (Indian Anthropologist)

Unit IV Applied form of sociology

4.1 Applied sociology (Meaning)

4.2 Industrial Sociology (Introduction)

-
- One Seminar should be completed at the end of syllabus

References :-

- Heer David and Jill Grigsby (1994) Society Population, Prentice Hall of India, New Delhi
- Peterson William (1975) Population, MacMillan New York.
- Gowarikar Vasant (1993) The Inevitable Billion Plus, Vichar Dhara Publication Pune
- Asha Bhende and Tara Kanitkar (2003) Principles of Population Studies, Himalaya Publishing House
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- Gisbert Pascal (1972) Fundamentals of Industrial Sociology, Tata McGraw Hill, Mumbai
- Ramaswamy E R (1978) Industrial Relations in India MacMillan New Delhi
- Samir Dasgupta and Robyn Driskell (2007) Discourse on Applied sociology Vol I, Anthem Press, London Delhi
- Samir Dasgupta and Robyn Driskell (2007) Discourse on Applied sociology Vol II, Anthem Press, London Delhi

मराठी संदर्भ :-

- | | | |
|---|---|-------------------------|
| डॉ. य. श्री. मेहंदळे, समाजशास्त्र | - | फडके प्रकाशन, कोल्हापूर |
| डॉ. सर्जेराव साळुंके समाजशास्त्रातील मुलभूत संकल्पना- | - | नरेंद्र प्रकाशन, पुणे |
| डॉ. प्रकाश बोबडे समाजशास्त्र | - | |
| डॉ. दिलीप खैरनार समाजशास्त्र परिचय | - | डायमंड प्रकाशन, पुणे. |

Paper IV: Indian Social Composition

50 marks

Objective: Indian Sociology has been focused on the wide description of Indian social composition. As student of sociology one has know the basic segments of Indian social structure and its various dimensions. This course mainly covers the broad segments of Indian society which are India's geographical ethnic and religious distinctiveness. This course also provides information regarding democratic beauty of India.

Unit I: Features of Indian Society

- Bonds of Unity in India (Geographical, Religious, Traditions)
- Forms of diversity in India (Language, Ethnicity, Religions. Tribes)
- Values of Indian society (Non violence, Tolerance, Coexistence)

Unit II: Indian Population

- Characteristics of Indian population
- Quantitative problems (Over population, Density, Migration)
- Population planning and Population Control

Unit III: Democracy and Secularism

- Democracy (Definition, characteristics)
- Social Justice (Definition & Concept)
- Indian constitution (characteristics)

Unit IV: Rural and Agrarian Structure

- Baluta system
- Importance of land holding in India (Socio-Eco status)
- Agrarian Transformation (Modernity and induction of Technology)

One Seminar should be completed at the end of syllabus

S-[F] NPW-02 June-2013-14 All Syllabus SOCIAL SCIENCES Sociology B.A. I & II Semester - 10 -

References :-

- Dube S C (1990) Society in India, National Book Trust on India, New Delhi
Dube S C (1995) Indian Village, Routledge , London
Bose N.K.(1975) Culture and Society in India, Asia Publishing House, Mumbai
Mandelbaum D. G (1970) Society in India, Popular Publication, Mumbai
Bose Ashish (1991) Demographic Diversity of India, B R publishing New Delhi.
Shrivastava O S (1994) Demography and Population Studies, Vikas Publication New Delhi
Kothari Rajani (ed) (1973) Caste in Indian politics , OUP New Delhi
Ghurye G S , Caste and Race in India Popular publication Bombay
Shakir Moin (1989) ed, Religion state and politics in India, Ajantha Publication, New Delhi.
Dube S C (1977) Tribal Haritage of India, Vikas Publilcations, New Delhi.
Census of India Reports 2011
Srinivas M.N. 'Indian Social Structure', Hindustan Pub, New Delhi
Ahuja Ram 'Indian Social System' Rawat Publications, New Delhi

मराठी संदर्भ :-

- | | | |
|---|---|-------------------------|
| डॉ. य. श्री. मेहंदळे, समाजशास्त्र | - | फडके प्रकाशन, कोल्हापूर |
| डॉ. सर्जेराव साळुंके समाजशास्त्रातील मुलभूत संकल्पना- | | नरेंद्र प्रकाशन, पुणे |
| डॉ. प्रकाश बोबडे समाजशास्त्र | - | |
| डॉ. दिलीप खैरनार समाजशास्त्र परिचय | - | डायमंड प्रकाशन, पुणे. |

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म. सु. भोटे
22/2/2013

[Signature]
22/2/13

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 21 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO.ACAD/NP/Social Sciences/Syllabus/159/2013**

It is hereby notified for information of all concerned that, on the recommendations of the Boards of Studies, Ad-hoc Boards, and Faculty of Social Sciences, the **Academic Council at its meeting held on 25-03-2013** has accepted the **following revised syllabi for B.A. First & Second Year and with minor changes in the syllabus of B.A. Third Year Home Science under the Faculty of Social Sciences :-**

Sr. No.	Revised Syllabus
[1]	B.A. [Public Administration] Semester- I & II,
[2]	B.A. [Political Science] Semester- I & II,
[3]	B.A. [History] Semester- I & II,
[4]	B.A. [Economics] Semester- I & II,
[5]	B.A. [Sociology] Semester- I & II,
[6]	B.A. [Philosophy] Semester- I & II,
[7]	B.A. [Home Science] Semester- I to IV,
[8]	B.A. [Psychology] Semester-III & IV, Second Year.
[9]	B.A. [Home Science] Semester- V & VI, Third Year Minor Changes,

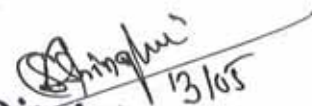
This is effective from the **Academic Year 2013-2014** and onwards.

These syllabi are available on the University Website **www.bamu.net**

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/NP/SOCIAL SCI./
SYLLABUS /Semester/2013/
5979-6382
A.C.M.A.I.No.21.

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Director,
Board of College and
University Development.

Date:- 08-05-2013.

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 22 -

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Copy forwarded with compliments to :-

- 1] **The Principals, affiliated concerned Colleges,
Dr. Babasaheb Ambedkar Marathwada University.**
- 2] The Director, University Network & Information Centre, UNIC, with
**a request to upload the above all syllabi on University Website
[www.bamu.net].**

Copy to :-

- 1] The Controller of Examinations,
- 2] The Superintendent, [B.A. Unit],
- 3] The Superintendent, [Eligibility Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 7] The Public Relation Officer,
- 8] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University.

..***..

S*/080513/-

**D.R. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus of

B.A. 1ST YEAR

HISTORY

SEMESTER-I & II

[Effective from 2013-14 & onwards]

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD.

Revised Syllabus of
B. A. (History)

Semester I & II

(Effective from 2013 – 2014 & onwards)



Chairman
Board of Studies in History
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

Dr. babasaheb Ambedkar Marathwada University,
Aurangabad.

SYLLABUS OF B. A. 1st YEAR (HISTORY)


SEMESTER SYSTEM

- a) All paper are compulsory
- b) 50 marks for each paper.
- c) Semester end examination will be of 90 minutes for each paper.

Paper No.	Title of the paper	Credit Allotted	Periods
	SEMESTER -Ist		
1	Shivaji And His Times A.D.1630 – A.D.1707	04	60
2	History of Modern Mahashtra A.D.1818-A.D.1905	04	60
	SEMESTER IIInd		
3	History of the Marathas A.D.1707 A.D.1818	04	60
4	Twentieth Century Mahashtra A.D.1905-A.D.1960	04	60

Note:-

- 1) One period of 50 minutes.
- 2) 15 periods = 01 credit.
- 3) 04 credit = 60 periods.
- 4) Each paper is comprised of 04 credits.


Chairman
Board of Studies in History
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

नवीन अभ्यासक्रमाच्या Suggested Reading मध्ये समाविष्ट करण्यासाठी संदर्भग्रंथ यादी.

Paper No. 1. Shivaji And His Times

Paper No. 3. History of the Marathas

वरील दोन्ही पेपरसाठी पुढील संदर्भ ग्रंथांची नावे यादीत समाविष्ट करावीत.

१. संपा. डॉ. अ. रा. कुलकर्णी, मराठ्यांचा इतिहास-साधन परिचय
डायमंड पब्लिकेशन्स, पुणे, जून २००८.
२. ले. सर जदुनाथ सरकार, औरंगजेब,
अनुवादक - डॉ. श. गो. कोलारकर
डायमंड पब्लिकेशन्स, पुणे, २००६.
३. संपा. डॉ. सौ. अ. गो. कुलकर्णी, शिवचरित्र साहित्य - खंड १५.
डायमंड पब्लिकेशन्स, पुणे, २०१२.
४. डॉ. एस. एन. सेन, मराठ्यांची लष्करी व्यवस्था.
अनुवादक - डॉ. सदाशिव शिवदे, डायमंड पब्लिकेशन्स, पुणे, २०११.
५. अ. रा. कुलकर्णी, मराठे आणि महाराष्ट्र.
डायमंड पब्लिकेशन्स, पुणे, जानेवारी, २००७.
६. डॉ. अ. रा. कुलकर्णी, महाराष्ट्र समाज आणि संस्कृती (मध्ययुगीन आणि आधुनिक)
डायमंड पब्लिकेशन्स, पुणे, मे २००८.
७. डॉ. अ. रा. कुलकर्णी, मध्ययुगीन महाराष्ट्र.
डायमंड पब्लिकेशन्स, पुणे.
८. Dr. A. R. Kulkarni Maharashtra in the Age of Shivaji.
Diamond Publications, Pune, Jan. 2008=
९. Dr. A. R. Kulkarni, Medieval Maharashtra,

Diamond Publication, Pune, Nove. 2008

10. Dr. A. R. Kulkarni, Studies in Maratha history,

Diamond Publications, Pune,

11. Dr. A. R. Kulkarni Medieval Maratha Country,

Diamond Publications, Pune, 2008.

12. Dr. A. R. Kulkarni, The Marathas,

Diamond Publications, Pune, Nove. 2006.

Paper No. 2. History of Modern Maharashtra

Paper No. 3. Twentieth Century Maharashtra

वरील दोन्ही पेपरसाठी पुढील संदर्भ ग्रंथांची नावे Suggested Reading मध्ये समाविष्ट करावीत.

१. डॉ. राजा दीक्षित एकोणिसाव्या शतकातील महाराष्ट्र मध्यम वर्गाचा उदय
डायमंड पब्लिकेशन्स, पुणे, डिसें. २००९.

२. प्रा. गणेश राउत, प्रा. ज्योती राउत, महाराष्ट्रातील परिवर्तनाचा इतिहास,
इ. स. १८१८ ते १९६०, डायमंड पब्लिकेशन्स, पुणे, डिसें. २००९.

B. A. Ist Year – History
SYLLABUS
SEMESTER Ist

PAPER NO. 01 :- SHIVAJI AND HIS TIMES
(A.D. 1630-A.D.1707)

	Periods
1. Rise of Maratha Power – Causes, Geography, Political, Socio-religious and economic background, Shahaji Bhosle.	10
2. Early expeditions of Shivaji : Concept of Hindavi Swaraj, Capture of Torana, Afjalkhan Episod, Siddi Johar's invasion Of Panhala Fort.	12
3. Shivaji – Mughal relations: Attack on Shahistakhan, Invasion of Mirja Raja Jaisinh and the Treaty of Purander, Shiviji's visit to Agra and back to Raigadh.	12
4. Coronation of Shivaji and his Karnataka Expeditions	08
5. Chatrapati Sambhaji.	05
6. Maratha War of Independence.	05
7. Civil, Judicial and Military Administration during this period	08

Total Periods	60

Note:-

60 periods = 04 Credits.

Suggested Reading:

1	Setu Madhavrao Pagadi	18 th Century Deccan
2	Grant Duff	A History of the Marathas
3	V.G.Dighe	Peshwa Bajirao & Maratha Expansion
4	R.C. Mujumdar (Ed.)	The History and Culture of the Indian People- The Maratha Supremony.
5	A.C. Banerjee	Peshwa Madhavrao New History of the Marathas vl. II,III Main Currents of the Maratha History.
6	S.N. Sen	Anglo- Maratha Relations
7	C.A. Kincaid & D.B. Parasnis	History of Maratha People
8	James Grand Duff by J.P. Gupta	History of the Marathas (1978) Foregin Biographers of Shivaji The Military System of the Marathas
9	Jadunath Sarkar	Fall of the Mughal Empire. House of Shivaji, (studies and Documents of Maratha History: royal period) orient Longmant, Bombay, 197. Shivaji and His Times, sixth Edition M.C. Sarkar and sons Ltd. 1973.
10	C.K. Srinivasan	Bajirao Ist The Great Peshwa
11	Dr. Balkrishna	Shivaji the Great (vol. 4)
12		Maharashtra in the Age of Shivaji Rekha Prakashan, 2 nd Revised Ed. Pune, 2002.
13	S.R. Sharma	The Founding of Maratha Freedom, Rev.Ed. Orient Longmants, Bombay, 1978.
14	Briji Kishore	Tarabai and his Times.
15	R.G. Deshmukh	History of Maratha, Nimesh

		Agencies, Bombay 1954
16	K.N. Chitnis	Glimpse of Medeval Indian Ideas and Institutions, IInd Ed. 1981, Pune
17	B.D. Gaikwad B.N. Sardesai, D.B. Thorat, V.N. Hanmane	Marathekalin Sanstha va Vichar, Phadke Book dellers, Kolhapur, 1978.
18	R.V. Nadkarni	The Rise and Fall of Maratha Empire, Popular prakashan, 1966.
19	Pagadi Setu Madhavrao	Chatrapati Shivaji, Poona, 1974.
20	Patwardhan R.P. and Rawlinson	H.G. Source Book of Maratha History, Reprint with anew introduction by P.M. Joshi and A.R. Kulkarni, K.P. Bagchi and co. Calcutta, 1978.
21	M.G. Ranade	Rise of Maratha Power and other Essays, Uni. Of Bombay. 1961
22	G.S. Sardesai	The Main Currents of Maratha Hietory, Phoneix Publication, Bombay
23	G.S. Sardesai	Shivaji and his Time. 1600-1700 Third Impression, 1971. vol. I
24	G.S. Sardesai	The Expension of the Maratha Power (1707- 1772) Vol. II
25	G.S. Sardesai	Sunset Over Maharashtra, 1772-1848, IInd Impression, 1968, Vol. III
26	H.N. Sinha	Rise of the Peshwas IInd Ed. The Indian Press Ltd. Allahabad.
27	V.T. Gune	The Judicial System of the Maratha, Deccan College, Dissertation, seris Pune, 1953.
28	S.N. Sen	The Military System of the Marathas, K.P. Bagchi, Culcatta, IInd Rev. Ed. 1979
29	S.N. Sen	The Administrative History of the Maratha's K.P. Bagchi, Culcatta, 1976.
30	S.V. Desai	Social life in Maharshtra Under the

	Peshwas, Popular Prakashan, Bombay, 1962.
--	--

Select Reading List (Marathi)

1	गो. स. सरदेसाई	मराठी रियासत. शहाजी राजे भोसले शककर्ता शिवाजी मराठी रियासत..स्थिरबद्धी राजाराम मराठी रियासतकृतप्रकृती संभाजी
2	डॉ. वि. गो. खोबरेकर	शिवकाळ.. इ.स. 1630 ते इ.स. 1707
3	दि. वि. काळे	छत्रपती शिवाजी महाराज
4	रा. चि. ढेरे संपा.	श्रीशिवदिग्विजय
5	ग. ह. खरे, अ. रा. कुलकर्णी	मराठ्यांचा इतिहास: भाग 1,2,3
6	विजय देशमुख	शककर्ते शिवराय..पूर्वार्ध व उत्तरार्ध
7	बेंद्रे वा. सी.	1.छत्रपती राजाराम महाराज 2.छत्रपती राजाराम महाराज आणि नेतृत्वहीन 'हिंदवी स्वराज्या'चा मोगलाशी झगडा, मुंबई, 1 ऑग. 1975 3.शिवाजी महाराजांचे चिकित्सक चरित्र भाग 1,2, 1972
8	जयसिंगराव पवार	1.मराठी साम्राज्याचा उदय व अस्त 2.सेनापती संताजी घोरपडे 3.महाराणी ताराबाई 4.छत्रपती संभाजी स्मारक ग्रंथ 5.छत्रपती शिवाजी महाराज व शिवगुद्रा 6.शिवाजी व शिवकाळ
9	सदाशिव आठवले, प्र.ल. सासवडकर	मराठी सत्तेचा विकास आणि -हास

10	डॉ. एम. ए. बाहेकर	राष्ट्रमाता जिजाऊ चिकित्सक चरित्र
11	शं. श्री. पुराणिक	मराठ्यांचे स्वातंत्र्यसमरकृतपूर्वार्ध व उत्तरार्ध
12	डॉ. कमल गोखले	शिवपुत्र संभाजी 1971
13	सदाशिव आठवले	शिवाजी आणि शिवयुग
14	रविंद्र वागन रामदास	शहाजीराजे भोसले
15	सेतू माधवराव पगडी	शिवचरित्र-एक अभ्यास मराठ्यांचे स्वातंत्र्ययुद्ध संपा. मोगल आणि मराठे तारिखे दिलकुशा संपा

		हिंदवी स्वराज्य आणि मोगल. मराठे व औरंगजेब मासिरे आलमगिरी. मोगल व मराठा संघर्ष फारसी साधने संपा.
16	प्र. न. देशपांडे	मराठयांचा उदय व उत्कर्ष
17	प्रभाकर देव	मराठयांचा इतिहास
18	सवंत / जाधव	मराठयांचा प्रशासकीय, सामाजिक व आर्थिक इतिहास
19	चिं. वि. वैदा	मराठा स्वराज्य संस्थापक श्री. शिवाजी महाराज इ. स. 1932 न्या. महादेव गोविंद रानडे अनु.
20	न. र. फाटक	मराठयांच्या सत्तेचा उत्कर्ष
21	डॉ. एम. ए. बाहेकर	हुतात्मा छत्रपती संभाजी राजे काल आणि कर्तृत्व
22	त्रयं. शं. शेजवलकर	पनिपत 1761
23	व. क. भावे	युगप्रवर्तक शिवाजी महाराज, 1995
24	बाळशास्त्री हरिदास	1. पुण्यश्लोक शिवाजी खंड 1 ते 4 2. शिवछत्रपती संकलित शिवचरित्राची प्रस्तावना, आराखडा व साधने, निजाम-पेशवे संबंध
25	वि. का. राजवाडे संपा	मराठयांच्या इतिहासाची साधने खंड 1 ते 26
26	भारत इतिहास संशोधक मंडळ पुणे	शिवचरित्र साहित्य भाग 1 ते 16
27	ढवळे-बारगळ	मराठयांचा इतिहास
28	ना. के. बेहरे	पहिले बाजीराव पेशवे
29	ळरिनाम गुप्ता	मराठे आणि पानिपत
30	फाटक, पगडी	पनिपतचा संग्राम
31	अ. रा. कुलकर्णी, ग.ह. खरे संपा.	मराठयांचा इतिहास भाग 1,2,3
32	डॉ. अप्पासाहेब पवार	ताराबाईकालीन कागदपत्रे, खंड 1, कोल्हापूर, स. 1969
33	गवळी पी. ए.	पेशवेकालीन अस्पृश्यता,
34	प्रा.टी. के. बिरादार	मराठयांचा इतिहास शिवाजी आणि शिवकाळ
35	केळुसकर कण्णाराव अर्जुन संपा	शिवाजी महाराज यांचे चरित्र, मुंबई, स. 1920
36	जोशी रा. व्यं.	परकीयांच्या दृष्टीतून शिवाजी, पुणे, 1987
37	कुलकर्णी अ. रा.	शिवकालीन महाराष्ट्र, पुणे, 15 ऑग. 1994
38	बेंद्रे वा.सी.	श्री. छत्रपती संभाजी महाराज यांचे विचिकित्सक चरित्र, मुंबई, 16 ऑग. 1971
39	गोखले कमल	शिवपुत्र संभाजी, पुणे, 1981
40	साने का.ना.	थोरले शाहू महाराज यांचे चरित्र, 1893

PAPER NO. 02:-	History of Modern Maharashtra (A.D.1818 – A.D.1905)	Periods
1.	Early Socio-religious and economic conditions Of Maharashtra.	12
2.	Early phase of British Rule: Administration, Education, Press, Activities of Christian Missionaries.	12
3.	Early Socio-religious Reformers: Balshastri Jambhekar Gopal Hari Deshmukh (Lokhidwadi), Mahatma Jyotiba Phule, M.G. Ranade, Gopal Gensh Agarkar, Pandita Ramabai.	12
4.	Early resistance to colonial rule: i) Romoshi, Bhill and Koli Uprising. ii) Outbreak of 1857 and Maharashtra. iii) Revolt of Vasudev Balwant Phadke.	12
5.	National Movement in Maharashtra: i) The Bombay Association. ii) Poona Sarvajanik Sabha. iii) Indian National Congress- Maharashtrian Leaders.	12

Total Periods:		60

Note:- 60 Periods = 04 Credits.

Suggested Readings

1	Phadke Y.D.	Social Reformers of Maharashtra
2	Phadke Y.D.	Politics and Language
3	Ballhatchet K.A.	Social policy and social changes in Western India (1817- 1830)
4	Chokest R.D.	Economic Life in the Bombay Deccan (1818-1896)
5	Ravinder Kumar	Western India in the Nineteenth Century
6	Gupta Sunit	The Agrarian economy of the Bombay Deccan.
7	Zeliot Eleanor	From Untouchables to Dalit (Essays on Ambedkar Movement)
8	Wolport S.A.	Tilak and Gokhale, Revolution and Reform in making of modern India.
9	Jatav D.R.	Social philosophy of Dr. B.R. Ambedkar

Select Reading List (Marathi)

1	बेडेकर आणि भणगे	भारतीय प्रबोधन
2	मालेकर कृष्णराव	समग्र वाड.मय
3	मालेराव अनंत	हैद्राबादचा स्वातंत्र्य संग्राम आणि मराठवाडा
4	गोरे एस. एस.	विठ्ठल रामजी शिंदे
5	गवळी पी. ए. व इतर	डॉ. बाबासाहेब आंबेडकर गौरव ग्रंथ
6	जवळकर दिनकरराव	समग्र वाड.मय
7	कर्वे डी. जी.	स्वतंत्र भारताचे द्रष्टे- न्यायमूर्ती रानडे
8	कीर धनंजय	महात्मा जोतिबा फुले
9	डॉ. हेर्लेकर	डॉ. आंबेडकरांचे विरोधक
10	डॉ. हेर्लेकर	भारतीय समाजप्रबोधनाची शोकांतिका
11	कीर धनंजय	आमच्या समाजक्रांतीचे जनक डॉ. बाबासाहेब आंबेडकर
12	कीर धनंजय	राजर्षी शाहू छत्रपती
13	खैरमाडे	डॉ. भीमराव रामजी आंबेडकर
14	टोपे टी. के.	न्या. रानडे
15	कुबेर डब्ल्यू. एम.	डॉ. आंबेडकर विचारमंथन
16	भोळे भारकर	आधुनिक भारतीय विचारवंत
17	फडके यशवंत दिनकर	केशवराव जेधे
18	फडके यशवंत दिनकर	शाहू छत्रपती आणि लोकमान्य
19	फडके यशवंत दिनकर	विसाव्या शतकातील महाराष्ट्र

20	फडके यशवंत दिनकर	आधुनिक महाराष्ट्राचा इतिहास भाग 1ते3
21	फडकुले निर्मलकुमार	प्रबोधनातील पाउलखुणा
22	प्रधान ग. प्र. संपा	आगरकर लेख संग्रह
23	पाटील भाउराव	आठवणी
24	परुळेकर गोदावरी	जेव्हा माणूस जागा झाला
25	साळवे पी.जी.	श्राजर्षि शाहू गौरव ग्रंथ
26	शिंदे व्ही.आर.	भारतीय अस्पृशतेचा प्रश्न
27	पेंडसे लालजी	महाराष्ट्राचे महामंथन
28	सरदार गं. बा. संपा	आधुनिक महाराष्ट्र
29	टिळक नारायण देवदत्त	महाराष्ट्राची तेजस्विनी पंडिता रमाबाई
30	वाळिंबे रा.रा.	शतकातील महाराष्ट्रातील सामाजिक पुनर्घटना भाग 1
31	फडकुले निर्मलकुमार	लेकहितवादी: आणि कर्तृत्व
32	केळकर न. चि.	लोकमान्य टिळक यांचे चरित्र
33	प्रबोधनकार ठाकरे	पंडिता रमाबाई
34	सरदार गं. बा.	अ. आगरकरांचा सामाजिक विचार ब. महात्मा फुले व्यक्तित्व आणि विचार क. महाराष्ट्राची सामाजिक प्रबोधनाची वाटचाल
35	जाधव पंजाबराव	कर्मवीर भाउराव पाटील जीवनदर्शन
36	घोरपडे ए. के.	कर्मवीर भाउराव पाटील
37	वीर उत्तगराव मोहिनी	जगतिक कृषक क्रांतीचा विधाता लोकनेता: डॉ. पंजाबराव देशमुख
38	भोसले एस. एस.संपा.	राजर्षि शाहू : काळ, विचार आणि कार्य
39	पवार गो. मा.	महर्षि विठ्ठल रामजी शिंदे-जीवन, कार्य, लोकवाद.मय ग्रह,मुंबई,2004.
40	पवार जयसिंगराव	राजर्षि शाहू गौरव ग्रंथ
41	अळतेकर मा. दा.संपा.	आगरकर निबंध संग्रह भाग 1,2
42	भगत रा. तु.	महात्मा फुले ते कर्मवीर भाउराव पाटील
43	बेडेकर दि. के.	संयुक्त महाराष्ट्र
44	फडके य. दि.	दिनकरराव जवळकर,समग्र वाड.मय
45	फडके य.दि.	केशवराव जेधे, श्री विद्या प्रकाशन, पुणे
46	लेले रा. का.	मराठी वृत्तपत्रांचा इतिहास
47	स्वामी रामानंद तीर्थ	हैद्राबाद मुक्तीसंग्रामातील माझ्या आठवणी
48	जांभेकर ग. गं.	बाळ गंगाधरशास्त्री यांचे चरित्र व लेखसंग्रह खंड 1,2,पुणे 1950
49	सुमन वैदा, शांता कोठेकर	महाराष्ट्रातील काँग्रेसचा लढा

50	लालजी पेंडसे	महाराष्ट्राचे महामंथन
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SEMESTER IIInd

PAPER NO. 03:- HISTORY OF THE MARATHA'S
(A.D.1707-A.D.1818)

	Periods
1. Transfer of power from Chatrapati to Peshwa- Causes, Chatrapati Shahu, Balaji Vishwanath.	10
2. Peshwa Bajirao First and expansion of Maratha Power.	10
3. Third Battle of Panipat- cause and consequences.	08
4. Revival of Maratha power- Peshwa Madhavrao First.	06
5. Anglo – Maratha relations.	05
6. Decline of the Maratha power – causes and Consequences.	06
7. Changes in the administrative system of Peshwa Period – Social structure, position of women, religious Life during Peshwa period, Judicial system.	15

	Toyal periods 60

NOTE:-

60 periods = 04 Cridits.

Suggested Readings:

1	Setu Madhavrao Pagadi	18 th Century Deccan
2	Grant Duff	A History of the Marathas
3	V.G.Dighe	Peshwa Bajirao & Maratha Expansion
4	R.C. Mujumdar (Ed.)	The History and Culture of the Indian People- The Maratha Supremony.
5	A.C. Banerjee	Peshwa Madhavrao New History of the Marathas vl. II,III Main Currents of the Maratha History.
6	S.N. Sen	Anglo- Maratha Relations
7	C.A. Kincaid & D.B. Parasnis	History of Maratha People
8	James Grand Duff by J.P. Gupta	History of the Marathas (1978) Foregin Biographers of Shivaji The Military System of the Marathas
9	Jadunath Sarkar	Fall of the Mughal Empire. House of Shivaji, (studies and Documents of Maratha History: royal period) orient Longmant, Bombay,197. Shivaji and His Times, sixth Edition M.C. Sarkar and sons Ltd. 1973.
10	C.K. Srinivasan	Bajirao Ist The Great Peshwa
11	Dr. Balkrishna	Shivaji the Great (vol. 4)
12		Maharashtra in the Age of Shivaji Rekha Prakashan, 2 nd Revised Ed. Pune, 2002.
13	S.R. Sharma	The Founding of Maratha Freedom, Rev.Ed. Orient Longmants,Bombay,

		1978.
14	Briji Kishore	Tarabai and his Times.
15	R.G. Deshmukh	History of Maratha, Nimesh Agencies, Bombay 1954
16	K.N. Chitnis	Glimpse of Medeival Indian Ideas and Institutions, IInd Ed. 1981, Pune
17	B.D. Gaikwad B.N. Sardesai, D.B. Thorat, V.N. Hanmane	Marathekalin Sanstha va Vichar, Phadke Book dellers, Kolhapur, 1978.
18	R.V. Nadkarni	The Rise and Fall of Maratha Empire, Popular prakashan, 1966.
19	Pagadi Setu Madhavrao	Chatrapati Shivaji, Poona, 1974.
20	Patwardhan R.P. and Rawlinson	H.G. Source Book of Maratha History, Reprint with anew introduction by P.M. Joshi and A.R. Kulkarni, K.P. Bagchi and co. Calcutta, 1978.
21	M.G. Ranade	Rise of Maratha Power and other Essays, Uni. Of Bombay. 1961
22	G.S. Sardesai	The Main Currents of Maratha Hietory, Phoneix Publication, Bombay
23	G.S. Sardesai	Shivaji and his Time. 1600-1700 Third Impression, 1971. vol. I
24	G.S. Sardesai	The Expansion of the Maratha Power (1707- 1772) Vol. II
25	G.S. Sardesai	Sunset Over Maharashtra, 1772-1848, IInd Impression, 1968, Vol. III
26	H.N. Sinha	Rise of the Peshwas IInd Ed. The Indian Press Ltd. Allahabad.
27	V.T. Gune	The Judicial System of the Maratha, Deccan College, Dissertation, seris Pune, 1953.
28	S.N. Sen	The Military System of the Marathas, K.P. Bagchi, Culcatta, IInd Rev. Ed. 1979
29	S.N. Sen	The Administrative History of the

		Maratha's K.P.Bagchi, Culcatta, 1976.
30	S.V.Desai	Social life in Maharashtra Under the Peshwas, Popular Prakashan, Bombay, 1962.

Select Reading List (Marathi)

1	गो. स. सरदेसाई	मराठी रियासत. शहाजी राजे भोसले शककर्ता शिवाजी मराठी रियासत..स्थिरबद्धी राजाराम मराठी रियासतकृष्णप्रकृती संभाजी
2	डॉ. वि. गो. खोबरेकर	शिवकाळ.. इ.स. 1630 ते इ.स. 1707
3	दि. वि. काळे	छत्रपती शिवाजी महाराज
4	रा. वि. ढेरे संपा.	श्रीशिवदिग्विजय
5	ग. ह. खरे, अ. रा. कुलकर्णी	मराठ्यांचा इतिहास: भाग 1,2,3
6	विजय देशमुख	शककर्ते शिवराय..पूर्वार्ध व उत्तरार्ध
7	बेंद्रे वा. सी.	1.छत्रपती राजाराम महाराज 2.छत्रपती राजाराम महाराज आणि नेतृत्वहीन 'हिंदवी स्वराज्या'चा मोगलाशी झगडा, मुंबई, 1 ऑग. 1975 3.शिवाजी महाराजांचे चिकित्सक चरित्र भाग 1,2, 1972
8	जयसिंगराव पवार	1.मराठी साम्राज्याचा उदय व अस्त 2.सेनापती संताजी घोरपडे 3.महाराणी ताराबाई 4.छत्रपती संभाजी स्मारक ग्रंथ 5.छत्रपती शिवाजी महाराज व शिवमुद्रा 6.शिवाजी व शिवकाळ
9	सदाशिव आठवले, प्र.ल. सासवडकर	मराठी सत्तेचा विकास आणि -हास

10	डॉ. एम. ए. बाहेकर	राष्ट्रमाता जिजाऊ चिकित्सक चरित्र
11	शं. श्री. पुराणिक	मराठ्यांचे स्वातंत्र्यसमरकृष्णपूर्वार्ध व उत्तरार्ध
12	डॉ. कमल गोखले	शिवपुत्र संभाजी 1971
13	सदाशिव आठवले	शिवाजी आणि शिवयुग
14	रविंद्र वामन रामदास	शहाजीराजे भोसले

15	सेतू माधवराव पगडी	शिवचरित्र—एक अभ्यास मराठयांचे स्वातंत्र्ययुद्ध संपा. मोगल आणि मराठे तारिखे दिलकुशा संपा हिंदवी स्वराज्य आणि मोगल. मराठे व औरंगजेब मासिरे आलमगिरी. मोगल व मराठा संघर्ष फारसी साधने संपा.
16	प्र. न. देशपांडे	मराठयांचा उदय व उत्कर्ष
17	प्रभाकर देव	मराठयांचा इतिहास
18	सवंत / जाधव	मराठयांचा प्रशासकीय, सामाजिक व आर्थिक इतिहास
19	चिं. वि. वैदा	मराठा स्वराज्य संस्थापक श्री. शिवाजी महाराज इ. स. 1932 न्या. महादेव गोविंद रानडे अनु.
20	न. र. फाटक	मराठयांच्या सत्तेचा उत्कर्ष
21	डॉ. एम. ए. बाहेकर	हुतात्मा छत्रपती संभाजी राजे काल आणि कर्तृत्व
22	त्रयं. शं. शेजवलकर	पनिपत 1761
23	व. क. भावे	युगप्रवर्तक शिवाजी महाराज, 1995
24	बाळशास्त्री हरिदास	1. पुण्यश्लोक शिवाजी खंड 1 ते 4 2. शिवछत्रपती संकलित शिवचरित्राची प्रस्तावना, आराखडा व साधने, निजाम-पेशवे संबंध
25	वि. का. राजवाडे संपा	मराठयांच्या इतिहासाची साधने खंड 1 ते 26
26	भारत इतिहास संशोधक मंडळ पुणे	शिवचरित्र साहित्य भाग 1 ते 16
27	ढवळे-बारगळ	मराठयांचा इतिहास
28	ना. के. बेहरे	पहिले बाजीराव पेशवे
29	ळरिनाम गुप्ता	मराठे आणि पानिपत
30	फाटक, पगडी	पनिपतचा संग्राम
31	अ. रा. कुलकर्णी, ग.ह. खरे संपा.	मराठयांचा इतिहास भाग 1,2,3
32	डॉ. अप्पासाहेब पवार	ताराबाईकालीन कागदपत्रे, खंड 1, कोल्हापूर, स. 1969
33	गवळी पी. ए.	पेशवेकालीन अस्पृश्यता,
34	प्रा.टी. के. बिरादार	मराठयांचा इतिहास शिवाजी आणि शिवकाळ
35	केळुसकर कृष्णराव अर्जुन संपा	शिवाजी महाराज यांचे चरित्र, मुंबई, स. 1920
36	जोशी रा. व्यं.	परकीयांच्या दृष्टीतून शिवाजी, पुणे, 1987
37	कुलकर्णी अ. रा.	शिवकालीन महाराष्ट्र, पुणे, 15 ऑग. 1994
38	बेंद्रे वा.सी.	श्री. छत्रपती संभाजी महाराज यांचे विचिकित्सक चरित्र, मुंबई, 16 ऑग. 1971

39	गोखले कमल	शिवपुत्र संभाजी, पुणे, 1981
40	साने का.ना.	थोरले शाहू महाराज यांचे चरित्र, 1893

PAPER NO. IV:- TWENTIETH CENTURY MAHARASHTRA
(A.D.1905 – A.D.1960)

periods

1. National Movement (1905 – 1920).
 - i) Surat split and its implication.
 - ii) Revolutionary Movement.
 - iii) Role of Lokmanya Tilak in Indian National movement. 15
2. National Movement (1920 – 1947)
 - i) Non co-operation movement,
 - ii) Civil Dis-obedience movement,
 - iii) Quit India movement. 15
3. Social Movements:
 - i) Non-Brahmin movement- Rajarshi Shahu, Keshavrao Jedhe, Dinkarrao Javalkar.
 - ii) Dalit Movement: V. R. Shinde, Dr. Babasaheb Ambedkar.
 - iii) Education: Karmveer Bhaurao Patil, Panjabrao Deshmukh. 15
4. Hyderabad Freedom struggle (Marathwada Region) 07
5. Making of Maharashtra:

i)Independent Bombay State.

ii)Samyukta Maharashtra Movement

08

Total periods 60

Note:-

60 periods = 04 Credits.

Suggested Readings:


1	Phadke Y.D.	Social Reformers of Maharashtra
2	Phadke Y.D.	Politics and Language
3	Ballhatchet K.A.	Social policy and social changes in Western India (1817- 1830)
4	Chokest R.D.	Economic Life in the Bombay Deccan (1818-1896)
5	Ravinder Kumar	Western India in the Nineteeth Century
6	Gupta Sunit	The Agrarian economy of the Bombay Deccan.
7	Zeliot Eleanor	From Untouchables to Dalit (Essays on Ambedkar Movement)
8	Wolport S.A.	Tilak and Gokhale, Revolution and Reform in making of modern India.
9	Jatav D.R.	Social philosophy of Dr. B.R. Ambedkar

Select Reading List (Marathi)

1	बेडेकर आणि मणगे	भारतीय प्रबोधन
2	भालेकर कष्णराव	समग्र वाड.मय
3	भालेराव अनंत	हैद्राबादचा स्वातंत्र्य संग्राम आणि मराठवाडा
4	गोरे एस. एस.	विठठल रामजी शिंदे
5	गवळी पी. ए. व इतर	डॉ. बाबासाहेब आंबेडकर गौरव ग्रंथ
6	जवळकर दिनकरराव	समग्र वाड.मय
7	कर्वे डी. जी.	स्वतंत्र भारताचे द्रष्टे- न्यायमूर्ती रानडे
8	कीर धनंजय	महात्मा जोतिबा फुले
9	डॉ. हेर्लेकर	डॉ. आंबेडकरांचे विरोधक

10	डॉ. हेल्लेकर	भारतीय समाजप्रबोधनाची शोकांतिका
11	वीर धनंजय	आमच्या समाजक्रांतीचे जनक डॉ. बाबासाहेब आंबेडकर
12	कीर धनंजय	राजर्षी शाहू छत्रपती
13	खैरमाडे	डॉ. भीमराव रामजी आंबेडकर
14	टोपे टी. के.	न्या. रानडे
15	कुबेर डब्ल्यू. एम.	डॉ. आंबेडकर विचारमंथन
16	भोळे भास्कर	आधुनिक भारतीय विचारवंत
17	फडके यशवंत दिनकर	केशवराव जेधे
18	फडके यशवंत दिनकर	शाहू छत्रपती आणि लोकमान्य
19	फडके यशवंत दिनकर	विसाव्या शतकातील महाराष्ट्र
20	फडके यशवंत दिनकर	आधुनिक महाराष्ट्राचा इतिहास भाग 1ते3
21	फडकुले निर्मलकुमार	प्रबोधनातील पाउलखुणा
22	प्रधान ग. प्र. संपा	आगरकर लेख संग्रह
23	पाटील भास्कराव	आठवणी
24	परुळेकर गोदावरी	जेव्हा माणूस जागा झाला
25	साळवे पी.जी.	श्राजर्षी शाहू गौरव ग्रंथ
26	शिंदे व्ही.आर.	भारतीय अस्पृशतेचा प्रश्न
27	पेंडसे लालजी	महाराष्ट्राचे महामंथन
28	सरदार गं. बा. संपा	आधुनिक महाराष्ट्र
29	टिळक नारायण देवदत्त	महाराष्ट्राची तेजस्विनी पंडिता रमाबाई
30	वाळिंबे रा.रा.	शतकातील महाराष्ट्रातील सामाजिक पुनर्घटना भाग 1
31	फडकुले निर्मलकुमार	लेकहितवादी: आणि कर्तृत्व
32	केळकर न. चि.	लोकमान्य टिळक यांचे चरित्र
33	प्रबोधनकार ठाकरे	पंडिता रमाबाई
34	सरदार गं. बा.	अ. आगरकरांचा सामाजिक विचार ब. महात्मा फुले व्यक्तित्व आणि विचार क. महाराष्ट्राची सामाजिक प्रबोधनाची वाटचाल
35	जाधव पंजाबराव	कर्मवीर भास्कराव पाटील जीवनदर्शन
36	घोरपडे ए. के.	कर्मवीर भास्कराव पाटील
37	वीर उत्तमराव मोहिनी	जगतिक कृषक क्रांतीचा विधाता लोकनेता: डॉ. पंजाबराव देशमुख
38	भोसले एस. एस.संपा.	राजर्षी शाहू : काळ, विचार आणि कार्य
39	पवार गो. मा.	महर्षि विठ्ठल रामजी शिंदे-जीवन, कार्य, लोकवाड.मय ग्रह.मुंबई,2004.
40	पवार जयसिंगराव	राजर्षी शाहू गौरव ग्रंथ
41	अळतेकर मा. दा.संपा.	आगरकर निबंध संग्रह भाग 1,2

42	भगत रा. तु.	महात्मा फुले ते कर्मवीर भाऊराव पाटील
43	बेडेकर दि. के.	संयुक्त महाराष्ट्र
44	फडके य. दि.	दिनकरराव जवळकर,समग्र वाड.मय
45	फडके य.दि.	वेशवराव जेधे, श्री विद्या प्रकाशन, पुणे
46	लेले रा. का.	मराठी वृत्तपत्रांचा इतिहास
47	स्वामी रामानंद तीर्थ	हैद्राबाद मुक्तीसंग्रामातील माझ्या आठवणी
48	जांभेकर ग. गं.	बाळ गंगाधरशास्त्री यांचे चरित्र व लेखसंग्रह खंड 1,2,पुणे 1950
49	सुमन वैदा, शांता कोठेकर	महाराष्ट्रातील काँग्रेसचा लढा
50	लालजी पेंडसे	महाराष्ट्राचे महामंथन


Chairman
Board of Studies in History
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 21 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO.ACAD/NP/Social Sciences/Syllabus/159/2013**

It is hereby notified for information of all concerned that, on the recommendations of the Boards of Studies, Ad-hoc Boards, and Faculty of Social Sciences, the **Academic Council at its meeting held on 25-03-2013** has accepted the following revised syllabi for **B.A. First & Second Year** and with minor changes in the syllabus of **B.A. Third Year Home Science** under the Faculty of Social Sciences :-

Sr. No.	Revised Syllabus
[1]	B.A. [Public Administration] Semester- I & II,
[2]	B.A. [Political Science] Semester- I & II,
[3]	B.A. [History] Semester- I & II,
[4]	B.A. [Economics] Semester- I & II,
[5]	B.A. [Sociology] Semester- I & II,
[6]	B.A. [Philosophy] Semester- I & II,
[7]	B.A. [Home Science] Semester- I to IV,
[8]	B.A. [Psychology] Semester-III & IV, Second Year.
[9]	B.A. [Home Science] Semester- V & VI, Third Year Minor Changes,

This is effective from the Academic Year 2013-2014 and onwards.

These syllabi are available on the University Website www.bamu.net

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/NP/SOCIAL SCI./
SYLLABUS /Semester/2013/
5979-6382
A.C.M.A.I.No.21.

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(Signature)
13/05
Director,
Board of College and
University Development.

Date:- 08-05-2013.

S-25 March, 2013 AC after Circulars from Circular No.153 & onwards

- 22 -

:: [2] ::

Copy forwarded with compliments to :-

- 1] **The Principals, affiliated concerned Colleges,
Dr. Babasaheb Ambedkar Marathwada University.**
- 2] The Director, University Network & Information Centre, UNIC, with **a request to upload the above all syllabi on University Website [www.bamu.net].**

Copy to :-

- 1] The Controller of Examinations,
- 2] The Superintendent, [B.A. Unit],
- 3] The Superintendent, [Eligibility Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 7] The Public Relation Officer,
- 8] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University.

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**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus of

B.A. Ist Year

Sociology

Semester-Ist & IInd with

Semester – 50:50 Pattern

[Effective from -2013-2014 & onwards]

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BA I & II Semester

Year	Semester	Paper No	Paper Code	Title of the Paper	Marks
BAFY	Semester I	Paper I	BAS 01	Introduction to Sociology	50 marks
		Paper II	BAS 02	Individual and Society	50 marks
	Semester II	Paper III	BAS 03	Introduction to Subfields of Sociology	50 marks
		Paper IV	BAS 04	Indian Social Composition	50 marks

Paper I: Introduction to Sociology

50 marks

Objective : Sociology is one of the modern social sciences, which has a significant role in society. This Core course is designed to know about the origin and development of the sociology as a discipline in general and development in India in particular. Every Science or Branch has its own subject matter so as Sociology, which correspond society as its subject. This course is designed to study approach, Principles, concepts, methods, and history of sociology.

Unit I: Introduction to Sociology

- Definition
- Subject matter of Sociology & scope
- Development of Sociology (World and India)

Unit II Basic Concepts

1. Society (Definition and characteristics)
2. Social groups (Definition, Characteristics and Types (Primary, Secondary)
3. Social Institutions (Meaning and characteristics.)
4. Social System (Meaning and Prerequisites)

Unit III Perspective in Sociology

- Structural
- Functionalist
- Conflict

Unit IV: The Uses of Sociology

- Analysis of Social Problem
- Evaluation of Social Change
- Social Policy & action

-
- One Seminar should be completed at the end of syllabus

References :-

- Vidyabushan Sachdeva (1996) Introduction to Sociology, Kitab Mahal ,Alahabad
- Bornes H E (1959) Introduction to the History of Sociology, The University press of Chicago.
- Fletcher Ronald (1994) The Making of Sociology (II volumes) Rawat Publications, Jaipur
- Bottomore T B (1972) Sociology: A Guide to problem and Literature, George Allen and Unwin Pub, Mumbai (India)
- Jonson Harry (1995) A systematic introduction, Allied Publishers, New Delhi
- Schaefer Richard T and Robert P Lamm, Sociology , TataMcGraw Hill
- Jayaram N (1998) Introductory sociology, Macmillan India
- John J Makionis(2006) Sociology, Pearson education , New Delhi.
- Melvin L Deflour and others (1984) sociology Human society, Random house, New Delhi
- Robert L Sutherland and J L Woodward, Introudctroy Sociolgy, Lippincott company New work
- Haralambos and Halborn, “Sociology – Theme and prespective”, Harper Collins Publisher Ltd London
- Atal Yogesh (2004) Indian Sociology: From where to where, Rawat Publication, New Delhi

मराठी संदर्भ :-

- | | | |
|---|---|-------------------------|
| डॉ. य. श्री. मेहंदळे, समाजशास्त्र | - | फडके प्रकाशन, कोल्हापूर |
| डॉ. सर्जेराव साळुंके समाजशास्त्रातील मुलभूत संकल्पना- | - | नरेंद्र प्रकाशन, पुणे |
| डॉ. प्रकाश बोबडे समाजशास्त्र | - | |
| डॉ. दिलीप खैरनार समाजशास्त्र परिचय | - | डायमंड प्रकाशन, पुणे. |

Paper II : Individual and society

50 marks

Objective: Sociology has been instrumental in changing our attitude towards society analysis. In a specialized society we are all limited as to the amount of the whole organization and culture that we can experience directly. We can hardly know the people of other areas intimately. This course is designed to study different sections of society and the institutions and other structural elements.

Unit I: Individual and society:

- Culture (Definition, characteristics)
- Socialization (Definition & Aims)
- Agencies of Socialization

Unit II: Social Structure

- Definition of social Structure
- Status & Role
- Norms and Values

Unit III: Social Stratification

- Social Stratification (Meaning and nature)
- Caste system (Meaning and Characteristics)
- Class System (Meaning and Characteristics)

Unit IV: Social Change

- social change (Concept & Definition)
- Factors responsible for social change
- Barriers in social change

Unit V: Social Control

- Social control (Definition)
- Types of social control (Formal and Informal)
- Conformity and Deviance (Definition)

-
- One Seminar should be completed at the end of syllabus

References :-

Inkeles Alex (1987) what is Sociology, Prentice Hall of India, New Delhi

Berger P L and Berger B (1976) Sociology: A Biographical Approach, Penguin Books

Chinoy Ely (1947) Society – An introduction to Sociology: Random House Publication

Danisoff R Serge and Wahraman Ralph (1979) An Introduction of Sociology, Macmillan Publishing, New York

P Gisbert (2004) Fundamentals of Sociology, Orient Longman Private Ltd, Kolkatta

Light Donald and Keller S (1975) Sociology, Alfred , New York

Landis P H (1958) Introductory Sociology, The Ronald Press Company, New York

Maclver R M and Page C H (1965) Society - An Introductory Analysis, MacMillan & Company Ltd. London

Vidyabushan Sachdeva (1996) Introduction to Sociology, Kitab Mahal ,Alahabad

Bornes H E (1959) Introduction to the History of Sociology, The University press of Chicago.

Fletcher Ronald (1994) The Making of Sociology (II volumes) Rawat Publications, Jaipur

Bottomore T B (1972) Sociology: A Guide to problem and Literature, George Allen and Unwin Pub, Mumbai (India)

मराठी संदर्भ :-

डॉ. य. श्री. मेहंदळे, समाजशास्त्र	-	फडके प्रकाशन, कोल्हापूर
डॉ. सर्जेराव साळुंके समाजशास्त्रातील मुलभूत संकल्पना-	-	नरेंद्र प्रकाशन, पुणे
डॉ. प्रकाश बोबडे समाजशास्त्र	-	
डॉ. दिलीप खैरनार समाजशास्त्र परिचय	-	डायमंड प्रकाशन, पुणे.

PAPER III Introduction to Subfields of Sociology

50 Marks

Objective: Sociology as a subject has its own discourse however it undertakes many issues concern with the other social science. Gradually several branches of sociology emerged with distinct subject matters. Student of sociology must have the knowledge of those branches to understand the scope of sociology & its wideness. With this objective this course is designed. This will also help to carry interest in the sociology as general and its subfields in particular.

Unit I Sociology and Society

1.1 Urban sociology

- Nature and Scope of Urban Sociology
- Significance of urban sociology

1.2 Rural sociology

- Subject Matter of Rural Sociology
- Significance of Rural sociology

Unit II Sociology and Interaction

2.1 Social psychology

- Nature and scope of social psychology
- Subject matter of social psychology

2.2 Political sociology

- Nature and Scope of Political Sociology
- Subject matter of Political Sociology

Unit III Sociology and culture

3.1 Anthropology

- Meaning of Anthropology
- Scope of Social Anthropology
- Development of social Anthropology in India (Indian Anthropologist)

Unit IV Applied form of sociology

4.1 Applied sociology (Meaning)

4.2 Industrial Sociology (Introduction)

-
- One Seminar should be completed at the end of syllabus

References :-

- Heer David and Jill Grigsby (1994) Society Population, Prentice Hall of India, New Delhi
- Peterson William (1975) Population, MacMillan New York.
- Gowarikar Vasant (1993) The Inevitable Billion Plus, Vichar Dhara Publication Pune
- Asha Bhende and Tara Kanitkar (2003) Principles of Population Studies, Himalaya Publishing House
- E. E. Evans (1962) Social Anthropology and Other Essays, The free Press, New York
- Mujumdar D. N. and Madan T. N (1973) An Introduction to Social Anthropology, Asia Publishing House, Bombay
- S.L Joshi and P C Jain (2005) Social Anthropology, Rawat Publications New Delhi
- Sherif,M. and Sherif,C.W (1969) Social Psychology, Harper International ed. N.Y
- Secord,P.F. and Backman,C.W-' Social Psychology'- International Student edition, McGraw Hill
- Hollander,E.P (1976) Principles and Methods of Social Psychology, Oxford University Press
- Srivastava,D.N. and other (1990) Modern Social Psychology, Har Prasad Bhargava Agra
- Desai A R Rural Sociology in India
- Gisbert Pascal (1972) Fundamentals of Industrial Sociology, Tata McGraw Hill, Mumbai
- Ramaswamy E R (1978) Industrial Relations in India MacMillan New Delhi
- Samir Dasgupta and Robyn Driskell (2007) Discourse on Applied sociology Vol I, Anthem Press, London Delhi
- Samir Dasgupta and Robyn Driskell (2007) Discourse on Applied sociology Vol II, Anthem Press, London Delhi

मराठी संदर्भ :-

- | | | |
|---|---|-------------------------|
| डॉ. य. श्री. मेहंदळे, समाजशास्त्र | - | फडके प्रकाशन, कोल्हापूर |
| डॉ. सर्जेराव साळुंके समाजशास्त्रातील मुलभूत संकल्पना- | | नरेंद्र प्रकाशन, पुणे |
| डॉ. प्रकाश बोबडे समाजशास्त्र | - | |
| डॉ. दिलीप खैरनार समाजशास्त्र परिचय | - | डायमंड प्रकाशन, पुणे. |

Paper IV: Indian Social Composition

50 marks

Objective: Indian Sociology has been focused on the wide description of Indian social composition. As student of sociology one has know the basic segments of Indian social structure and its various dimensions. This course mainly covers the broad segments of Indian society which are India's geographical ethnic and religious distinctiveness. This course also provides information regarding democratic beauty of India.

Unit I: Features of Indian Society

- Bonds of Unity in India (Geographical, Religious, Traditions)
- Forms of diversity in India (Language, Ethnicity, Religions. Tribes)
- Values of Indian society (Non violence, Tolerance, Coexistence)

Unit II: Indian Population

- Characteristics of Indian population
- Quantitative problems (Over population, Density, Migration)
- Population planning and Population Control

Unit III: Democracy and Secularism

- Democracy (Definition, characteristics)
- Social Justice (Definition & Concept)
- Indian constitution (characteristics)

Unit IV: Rural and Agrarian Structure

- Baluta system
- Importance of land holding in India (Socio-Eco status)
- Agrarian Transformation (Modernity and induction of Technology)

One Seminar should be completed at the end of syllabus

S-[F] NPW-02 June-2013-14 All Syllabus SOCIAL SCIENCES Sociology B.A. I & II Semester - 10 -

References :-

- Dube S C (1990) Society in India, National Book Trust on India, New Delhi
Dube S C (1995) Indian Village, Routledge , London
Bose N.K.(1975) Culture and Society in India, Asia Publishing House, Mumbai
Mandelbaum D. G (1970) Society in India, Popular Publication, Mumbai
Bose Ashish (1991) Demographic Diversity of India, B R publishing New Delhi.
Shrivastava O S (1994) Demography and Population Studies, Vikas Publication New Delhi
Kothari Rajani (ed) (1973) Caste in Indian politics , OUP New Delhi
Ghurye G S , Caste and Race in India Popular publication Bombay
Shakir Moin (1989) ed, Religion state and politics in India, Ajantha Publication, New Delhi.
Dube S C (1977) Tribal Heritage of India, Vikas Publications, New Delhi.
Census of India Reports 2011
Srinivas M.N. 'Indian Social Structure', Hindustan Pub, New Delhi
Ahuja Ram 'Indian Social System' Rawat Publications, New Delhi

मराठी संदर्भ :-

- | | | |
|---|---|-------------------------|
| डॉ. य. श्री. मेहंदळे, समाजशास्त्र | - | फडके प्रकाशन, कोल्हापूर |
| डॉ. सर्जेराव साळुंके समाजशास्त्रातील मुलभूत संकल्पना- | | नरेंद्र प्रकाशन, पुणे |
| डॉ. प्रकाश बोबडे समाजशास्त्र | - | |
| डॉ. दिलीप खैरनार समाजशास्त्र परिचय | - | डायमंड प्रकाशन, पुणे. |

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ए. मुद्दे
२२/२/२०१३



S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the **revised syllabi** as mentioned against their names under the **Faculty of Social Sciences as under :-**

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is **effective from** the Academic Year **2015-16 & onwards** as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SOCIAL SCI./
2015/3310-709

Date:- 16-06-2015.

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Director,
Board of College and
University Development.

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards

- 4 -

:: 2 ::

Copy forwarded with compliments to:-

- 1] The Principals, affiliated concerned colleges,
Dr. Babasaheb Ambedkar Marathwada University

Copy to :-

- 1] The Controller of Examinations,
- 2] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 3] The Superintendent, [B.A. Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Record Keeper.

==**==

S*/-160615/-

HISTORY SYLLABUS FINAL

**DR.BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD**



SYLLABUS OF

Third Year

B.A. (History)

Semester Vth & Vith

(Effective From: - 2015-2016 & onwards)

HISTORY SYLLABUS FINAL

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

SYLLABUS OF B.A.IIIrd
YEAR (HISTORY) SEMESTER SYSTEM
(Effective From: - 2015-2016)

- 1) Each Semester consist of Four papers
- 2) Each paper will be of 50 marks:
- 3) Semester-end examination will be of 90 minutes for each paper.

Paper No.	Title of the paper	Credits Allotted	Periods Allotted
SEMESTER – Vth			
9	Historiography	04	60
10	History of Indian National Movement (A.D. 1885 – A.D. 1947)	04	60
11	Women's Struggle in Modern India OR History of Modern China (A.D. 1900 – A.D.1950) OR History of India (A.D. 1757- 1885)	04	60
12	Project work	04	60
SEMESTER- VIth			
13	Fields of History (Archaeology, Museology and Tourism)	04	60
14	Landmarks in the History of modern world	04	60
15	Glimpses of the History of Marathwada OR Nationalist movements in south - East - Asia	04	60
16	Project work	04	60

NOTE:

1. One period of 50 minutes
2. 60 periods are meant for classroom teaching and Project work.

HISTORY SYLLABUS FINAL

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

SYLLABUS OF B.A.III rd YEAR (HISTORY)

(SEMESTER WISE)

SEMESTER Vth

PAPER NO. 09 - HISTORIOGRAPHY

Sr.No.	Name of the Chapter	Periods Allotted
1.	History : Definition, Nature, Scope, Kinds of History, History as a Science and History as an Art	10
2.	History and Other branches of Knowledge : History and Archaeology, History and Anthropology History and Geography, History and Sociology. History and Economics, History and Political Science.	12
3.	Sources of History: Classification of Sources. Evaluation of sources – Authenticity and credibility	10
4	Modern Thinkers of History : Ranke, Hegel, Karl Marx, Toyanbee.	10
5	Major trends in Indian History writing : Orientalist, Imperialist, Nationalist, Marxist, Subaltern.	10
6	Use & Abuse of History	04
7	History Research Method	04
	Total periods	60

NOTS: 1. 60 periods = 04 credit

HISTORY SYLLABUS FINAL

PAPER NO. 09 – HISTORIOGRAPHY

SUGGESTED READINGS:

1	Aaron Ramond	Introduction to the Philosophy of History
2	Barnes H.E.	A History of Historical Writing : New York 1962
3	Berlin Isaiah	Historical Inevitability, London, 1954
4	Bury J. B.	A History of Freedom of Thought.
5	Burtt Herbert	History of Human relations: London 1951
6	Cohen M.R.	The meaning of Human History: Chicago, 1961.
7	Collingwood R.G.	The Idea of History: London 1961
8	Croce Benedetto	History its theory and practice: New York 1961
9	Geast	History as System: New York 1961
10	Geyl Pieter	Use and Abuse of History: New Haven 1955
11	Geyl Pieter	Encounters in History : London, 1963
12	Gooch G.P.	History and Historians in the Nineteenth Century; London, 1952
13	Gottchalk Louis (Ed)	Generalization in the Writing of History; Chicago,1963
14	Joshi V.V.	The Problem of History and Historiography; Allahabad, 1946
15	Lewis H.D.	Freedom and History London, 1962
16	Mises L.V.	Theory and History; London, 1958
17	Muller H.J.	The Use of the Past; New York 1957
18	Popper K.R.	The Poverty of Historicism; London, 1957
19	Randall J.H.	Nature and Historical Experience: New York,1962
20	Russel Bertrend	Understanding History: New York 1957
21	Thomson J.W.	History of Historical Writing; New York, 1948
22	Toynbee A.J.	Civilization of Trial; New York 1948
23	R.C.Majumdar & A.N. Shrivastav	Historiography; Surjeet Book Depot, Delhi,1974
24	E.H. Carr	What is History; Continental Publisher, 1954.
25	Sen S.P. (E.d)	Historians and Historiography in Modern India.
26	B. Shaikh Ali	History its theory and method; Macmillan India Ltd. Madras, 1978
27	K.N. Chitnis	Research Methodology in History; Pune 1979
28	Gardiner	Theories of History
29	Gardiner	Guide to Historical Method

मराठी हिंदी संदर्भ ग्रंथांची सूची :

१	ई.एच.कार अनुवादक प्रा. वि.गो.लेले	इतिहास म्हणजे काय कॉन्टिनेंटल प्रकाशन, पुणे
२	गार्टन चार्ल्ड	इतिहासका इतिहास हरियाणा साहित्य अकादमी चंदिगढ, १९८८
३	डॉ. गोविंदचंद्र पांडे	इतिहासः स्वरूप एवं सिध्दांत राजस्थान हिंदी ग्रंथ अकादमी, जयपुर १९९८
४	डी.डी.कोशाणी	पुराणकथा व वास्तवता
५	द.वि. केतकर	इतिहासतील अमृतप्रवाह
६	म.ह.बखरे	साधन चिकित्सा लोकवाङ्मय ग्रंथ, मुंबई १९७६
७	वि.द.घाटे	इतिहास शास्त्र आणि कला देशमुख

			प्रकाशन, पुणे.
८	प्रभाकर देव		इतिहास : एक शास्त्र कल्पना प्रकाशन, औरंगाबाद
९	अकाशिव आठवले		इतिहासाचे तत्पज्ञान प्रज्ञा पाठशाळा मंडळ, पार्स १९६७.

HISTORY SYLLABUS FINAL

PAPER NO. 10 : HISTORY OF INDIAN FREEDOM MOVEMENT (A.D. 1885-A.D. 1947)

Sr. No.	Name of the Chapter	Periods Allotted
1	Background : Nature, policies and administration of British rule in india.	10
2	Rise of Nationalism in India – Causes and Development.	08
3	Indian National Congress and National movements : A) Origin of Indian National Congress, B) Leadership of moderates and extremists.	10
4	Revolutionary movements: Rise, nature and importance of the revolutionary movement. Role of women in Indian freedom movement.	6 4
5	Nationalist movement under the leadership of Mahatma Gandhi.	10
6	Rise of communalism leading partition, and independence of India.	12
	Total Periods :	60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO. 10 : HISTORY OF INDIAN FREEDOM MOVEMENT (A.D. 1885-A.D. 1947)

SUGGESTED READINGS:

1	Chandra Bipin	Communalism in Modern India
2	Chandra Bipin	The rise and Growth of Economic Nationalism in India.
3	Das M.N.	Economic and Social Development of Indian under the British Rule.
4	Desai A.R.	Social Background of Indian Nationalism
5	Datta K.K.	A Social History of Modern India
6	Dutt R.C.	Economics History of India
7	Jones Kenneth	Social and Religious Reform Movement in Modern India.
8	Joshi P.C.(ed.)	Rem-mohan Roy and the Process of Modernization of India.
9	Joshi P.C.	Rebellion
10	Joshi P.C.	Land Reforms in India-Trends in Perspective
11	Gadgil D.R.	Planning and Economics policy of India.
12	Raychaudhari Tapan (ed.)	Indian Economy in the 19 th Century : A Symposium.
13	Ravinder Kumar (ed.)	Social History of Modern India.
14	Ravinder Kumar	Essays on Ghandhian Politics
15	Kumar Ravinder	Essays in the Social History of Modern India.
16	Kumar Ravinder	Western Indian in the 19 th Century
17	Roy Tirthankar	The Economic History of India 1857-1947
18	Sarkar Sumit	Modern India
19	Stokes Eric.	Peasants and the Raj ; Studies in Agrarian Society and Peasant Rebellion in colonial India.
20	Griffiths S.P.	The British impact on India.
21	Buch M.A.	Rise and Growth of Indian Militant Nationalism.
22	S. Gopal	British Policy in India
23	C. Heimsant	Indian Nationalism and Hindu social Reform
24	K.P. Karunakaran	India In World Affairs.
25	B.R. Nanda (Ed.)	Indian Foreign Policy – the. Neharu Years.
26	V.P. Menon	Integration of the Indian States.
27	V.P. Menon	Transfer of power in India.
28	Paresh C.N.	Sardar Vallbhai
29	Vakil C.N.	Industrial Development of India, Policy and Problems.
30	Kishore Brij and Sing B.P.	Indian Economy through the Plans
31	Singh V.B. (Ed)	Economics History of India 1857-1956
32	Forbes A.	The Afgan Wars
33	Baden Powell B.H.	Land Systems of British India.
34	Dharam Kumar (Ed)	The Cambridge Economics History of India Vol.II 1757-1957
35	Desai A.R.	Peasant Struggles in India.
36	Datta R. Palme	India Today
37	Dhanagare D.N.	Peasant Movements in India.
38	Datta K.K.	Renaissance, Nationalism & Social Changes in Modern India.
39	Natrajan J.	History of Indian Journalism
40	Sanial S.L.	History of Press in India.

41	Mujumdar R.C.	History and Culture of Indian People Vol. 9,10,11
42	Chintamani C.Y.	Indian Railways
43	Bipin Behari	Economic Growth and Technology Change in India.
44	Datta V.P.	India's Foreign Policy; New Delhi 1987
45	Rao M.S.A.	Social Movements in India Vol. I & II
46	Tara Chand	History of the Freedom Movement in India Vol. I,II,III & iv ; (New Delhi 1983)
47	S.B. Pattabhai	The History of Indian National Congress Vol.I,II
48	Hira Singh	Colonial Hegeomony and popular Resistance
49	Rajkumar	Aspects of Economy, Society & Politics in Modern India.
50	Keith A.B.	Constitutional History of India.
51	Agrawal A.C.	India and National Movement.
52	Gadgil D.R.	The Industrial Evolution of India in Recent Times, Fourth edition onfora University Press, Calcutta- 1959
53	Gupta D>C.	Indian National Movement and Constitutional Development.
54	Kapur A.C.	Constitutional History of India (1765-1984)

मराठी संदर्भ ग्रंथ :□

१	आचार्य जाणडेकर	आधुनिक भारत
२	अनंत भालेराव	हैद्राबाद मुक्तलढा व मराठवाडा
३	गोविंद तळवलकर	नौरोजी ते नेहरू
४	गोविंद तळवलकर	संसांतर भाग १, २
५	वसंत नगरकर	पाकिस्तानचे जन्मसहस्य
६	डा. गो. कोलाकर	सुतंतज भारताचा इतिहास
७	दिवाण चंद्रशेखर	भारताची पिदेशमिती
८	खैरगाडे चां. भ.	हिंदुकोठ खील
९	मर्गे डा. मा., कुलकर्णी डा. डा.	भारतीय राज्यघटनेचा इतिहास
१०	कुमार केतकर	कथा स्यातंज्याची
११	प्रधान म. प्र.	सुतंतज संवामाचे महाभारत □साधना प्रकाशन, पुणे □ १९८९
१२	पैद्य, कोठेकर	आधुनिक भारताचा इतिहास
१३	पैद्य, कोठेकर	सुतंतज भारताचा इतिहास

HISTORY SYLLABUS FINAL

PAPER NO. 11 – WOMEN’S STRUGGLE IN MODERN INDIA (A.D. 1850- A.D. 1947)

Sr. No.	Name of the Chapter	Periods Allotted
1	Major issues and conception of women’s problems in 19 th Century: Child marriage. Sati Tradition. Life of widows. Bans on Woman Education. Secondary position of women in family and Society.	12
2	Women and Social Struggle. a) Approaches- Conservative. Progressive (Pandita Ramabai and D.K. karve). Anticaste (Mahatma Phule, Tarabai Shinde, Dr.B.R. Ambedkar) b) Struggle for Women’s education.	14
3	Social reform movement and women’s emancipation.	10
4	Women’s participation: a) Women in tribal and peasant struggle. b) Women in national struggle for independence c) Women in Caste movements.	14
5	Women and Law: Consent bill. Sharada Act. Patel bill.	10
Total periods :		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO. 11 – WOMEN’S STRUGGLE IN MODERN INDIA (A.D. 1850- A.D. 1947)

SUGGESTED READINGS:

1	Agnew Vijay	Elite Women in Indian Politics; Delhi Vikas 1979
2	Altekar A.S.	The Positions of women in Hindu Civilisation; Motilal Banarasidas , Delhi, 1978
3	Basu A. and Ray B.	Women’s Struggle : A History of the all India Women Conference, 1927-1990; Delhi, Manohar 1990
4	Borhwick M.	The Changing Rle of women in Bengal 1849-1905; Princet on University Press, Princeton, 1984
5	Chakravarti Uma and Kumkum Roy	Breaking out of invisibility : Rewriting the History : Changing perception of the Role of women in Politics and Society; UNESCO, Berg, 1988
6	Dehejia, Vidya	Representing the Body : Gender Issues in Indian Art, Kali for women, Delhi 1997
7	Desai Neera	Women in Modern India; Vora. Mumbai-1957
8	Everett, Jana M	Women and Scial Change in India; Heritage Publisher, Delhi, 1981
9	Forbrd, Geraldine	Women in Modern India; Cambridge University Press, Cambridge, 1996.
10	Jayawardene Kumari	Feminism and Nationalism in Third World; Zed BookS, London,1986
11	Joshi V.C. (Ed.)	Rammohan Roy and the Process of Modernisation in India, Delhi- 1975
12	Krishnamurty,J. Ed.	Women in Colonial Indian : Essay on Survival work and the State; OUP, Delhi,1989
13	Leslie I, Julia Ed	Eoles and Rituals for Hindu Women; Frirleigh dickinsin University Press, Rutherford, N.J. 1991
14	Liddle and Rama Joshi	Daughters of Independence : Gender, Caste and Class in India; Zed Books London, 1986
15	Mani, Lata	Contentious Tradition : The Debate on Sati in Colonial Indian; University of California Press, Berkeley, 1998
16	Mazumdar, Vina	Symbols of Power : Studies on the Political Status of Women in Indin; Allied Delhi, 1979.
17	Minault Gail	Scheduled Scholars : Women’s education and Muslim Social Reform in Colonial India; OUP, Delhi, 1998
18	Hate Chandrakala	Changing Status of Women
19	Randive Vimal	Women Workers of India
20	Kaul Krishana Prasad	The Position of Women Indian Society.
21	Minault Gail	The Extended family : Women and Political Participation in India and Pakistan; South Asia Book, Columbia Mo, 1981
22	Misra Rekha	Women in Mughal India (1526-1748 AD) Munshiram Manohartal, Delhi,1967
23	Murshid Ghulam	Reactant Debutante : Response of Bengali Women to Modernization 1849-1905 Rajshahi University,

		Rajshahi, 1983
24	Nair Janaki	Women and Law in Colonial India: Social History, Kali for Women; Delhi 1996
25	Nanda B.R. (Ed)	Indian Women : From Purdah to Modernity; Vikas, Delhi, 1976
26	Ray, Bharati and Basu, Aparna (Ed)	From freedom to Independence women and fifty years of India's Independence: OUP Delhi, 1999
27	Sangari, Kumkum and Sudesh Vaidya	Recasting Women; Essays on Colonial History, Kali for Women: Delhi, 1990
28	Siha, Mrianlini	Colonial Masculinity: Manchester University Press, Manchester 1995
29	Taru, Susie and K. Lalita (eds)	Women Writings in Indian Vol. I 600 BC to the early Twentieth Century, Vol. II The Twentieth Century 1960-1991
30	Towards Equality:	Report of the Committee on the Status of women in India; Delhi, 1975.

मराठी-हिन्दी संदर्भ ग्रंथ सूची

१	यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ	आधुनिक भारतातील स्त्री जीवन
२	दे. ना. टिळक	महाराष्ट्राची तेजस्विनी पंडिता बमालाई
३	डॉ. कमलाबाई देशपांडे	स्त्रियांच्या काराव्याची वाटचाल
४	मालश्री आघटे	विधवा विवाह चळवळ
५	लक्ष्मीबाई टिळक	स्मृति चिन्हे
६	बमालाई बानडे	आमच्या आयुष्यातील काही आठवणी
७	डॉ. सरोजिनी बाबुर	स्त्री शिक्षणाची वाटचाल
८	गोदावरी परबलेकर	झेव्हा माणूस जागा होतो
९	विश्वंभ मा. श्री.	श्री बमालाई बानडे, व्यक्ति आणि कार्य
१०	गणराज्य बोहिणी	कॅप्टन लक्ष्मी व बाणी झांशी रेजिमेंट
११	भागवत कमल व इतर	स्त्री चळवळीची वाटचाल
१२	लिमये नीला, देशपांडे मिलिमा	राष्ट्रीय स्तरातल्याची चळवळ, कलित व स्त्री मुक्ति

OR

HISTORY SYLLABUS FINAL

PAPER-11 HISTORY OF MODERN CHINA (A.D. 1900- A.D.1950)

Sr.No.	Name of the Chapter	Period Allotted
1	Political and Economic conditions of China during first two decades of 20 th Century. a) Economic supremacy of the western countries. b) Republican government initiated by Dr. Sun-Yet Sen.	10
2	May 4 th movement (1919) : Causes, nature and importance	08
3	Foundation of Chinese communist party; It's relations with Kuomintang and Kuomintang.	10
4	Kuomintang- Communist Struggle (1928-1935)	10
5	China during the period between (1936 to 1945) a) Second Sino – Japanese War. b) Second World War and China c) Civil war and the defeat of Kuomintang.	12
6	Mao Zedong and his role in the communist revolution in china	10
Total periods:		60

NOTE:

1] 60 periods = 04 credits

OR

HISTORY SYLLABUS FINAL

HISTORY OF MODERN CHINA (A.D. 1900- A.D.1950)

SUGGESTED READINGE:

1	Paul H. Clyde	The Far East
2	Immanuril C.Y. Hus	The Rise of Modern China
3	R.S. Gupte	History of Modern China
4	Edger Snow	The Red Star over China
5	Edger Snow	Red China Today
6	B.E. Shinde	Mao Ze dong and the Communist Policies.
7	Allen George	A short History of Modern China
8	Bianco Lucien	Origins of the Chinese Revolution.
9	Chen Jerome	Mao Tse-Tung and China Revolution
10	Chesneaux Jean et al	China from opium Wars to Revolution
11	Chesneaux Jean et al	China from the 1911 Revaluation to liberatory
12	Fairbank Johnk and Others	East Asia Tradition and Transformation.
13	Petter Nathaniel	The Far East: A Modern History
14	Franz Schruman and Others	Republican China
15	Franz Schruman and Others	Communist China

मराठी □ हिन्दी संदर्भ ग्रंथ सूची

१	रामशास्त्री	माझो क्रांतीचे चिज व चरिज
२	वि. वा. कनिटकव	माझो क्रांतीचे चिज व चरिज
३	अरुण भाधू	आणि रुगन जाग झाला
४	ब. शा. गुप्ते	पुर्व आशियाचा आधुनिक इतिहास

HISTORY SYLLABUS FINAL

OR

PAPER-11 HISTORY OF INDIA (A.D. 1757- 1885)

Sr.No.	Name of the Chapter	Period Allotted
1	Advant of European Powers in India Indian Polity & Economy in the Mid-Eighteenth Century	09
2	Expansion and consolidation of British Power Bengal, Punjab, Audh, Mysore, Maharashtra.	09
3	Early Phase of British Rule I. Administrative & Judicial Structure II. Education III. Press IV. Activities of Missionaries	08
4	Economy I. Agarian Settlement – Permanent Settlement Ryatwari Settlement & Mahalwari system Commercialization of agriculture II. Traditional handicraft industry & Question of de – industrialization. III. Railway, Post & Telegraphs. IV. Large Scale Industry- Cotton, Jute Iron & Steel. V. Famine & British Policy. VI. Internal & External Trade .	12
5	Socio- Religions reform Movement Brahmo Samaj Satyshodhak Samaj Arya Samaj Prarthana Samaj	08
6	Resistance to colonial Rule I. Nature to form of Resistance II. Pre-1857 Peasant & Tribal resistance. III. Revolt of 1857 – nature, causes leadership & impact.	09
7	Rise and growth of Indian nationalism Early political organizations & Foundation of Indian National Congress	05
Total periods:		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

OR

PAPER-11 HISTORY OF INDIA (A.D. 1757- 1885)**SUGGESTED READING:**

1	Desai A.R.	Peasant struggles in India
2	Chandra Bipin	Rise and Growth of Economic Nationalism in India.
3	Chandra Bipin	Modern India
4	Chandra Bipin	Nationalism and Colonialism in Modern India.
5	Datta K.K. (Ed)	A Comprehensive History of India Vol.XI.
6	Gadgil D.R.	Industrial Evolution of India.
7	Dharma Kumar (Ed)	Cambridge Economic History of India Vol.II
8	Dharma Kumar and Desai M. (Ed)	Land & Caste in South India.
9	Eric Stokes	English Utilitarians and India.
10	Gupta P.S.	Imperialism and British Labour
11	Kenneth W. Jones	Socio Religious Movements in India
12	Kenneth W. Jones	The New Cambridge History of India Vol. II
13	Naik J.P. and Nurullah S.	History of Education in India during the British Period.
14	R.C. Dutt	India To-day
15	Ramakrishna Mukherjee	Rise and Fall of East-India Company.
16	Vamandas Basu	Survey of India Social and Economic Condition in the Eighteenth Century (1707-1813)
17	Vamandas Basu	Ruin of Indian Trade and Industry.
18	Bal Krishna	Commercial Relations between India and English.
19	K.N.Pannikar	Culture, Ideology Hegemony Intelligentsia and Social Consciousness in Colonial India.
20	Rosalind O Hanlon	Cast Conflict and Ideology.
21	Metcalfe	Ideologies of Raj.
22	Kope David	British Orientalism and Bengal Renaissance the Dynamics of Indian Modernisation 1713-1835
23	Bhatt V.V.	Aspects of Economic Changes and Policy in India 1800-1900
24	Sen Sunil	Peasant Movements in India.
25	Tapan Raychoudhari & Irfan Hobib	Cambridge Economic History of India. Vol.IX. 1200-c 1750
26	Bagchi A.	Private Investments in India.
27	Pagadi Setu Madhavrao	Eighteenth Century Deccan
28	Romesh Dutt	The Economic History of India. (1757-1837)
29	Charless Heimsath	Indian Nationalism and Hindu Social Reform
30	A.R. Desai	Social Background of Indian- Nationalism.
31	Bhatt V.V.	Aspects of Economic Changes and Policy in India 1800-1900

32	Bhattacharya D.	Concise History of the Indian Economy 1750-1950.
33	Chaudhari K.N. (Ed)	The Economic Development of India under the East India Company 1814-1858
34	Guha Sunit	The Agrarian Economy of the Bombay Deccan
35	Ghosal H.R.	Economic Transition in Bengal Presidency
36	Chattopadhyaya Hariprasad	The Sepoy Mutiny
37	Sen Surendrenath	Eighteen Fifty Seven(1957)
38	Lyall A	The Rise and Expansion of British Dominion in India.
39	Thompson Edward & Garrat G.T.	Rise and Fulfillment of British Rule in India.
40	Phillips C.H.	The East India Company – 1784-1834
41	Mujumdar R.C.	The Sepoy Mutiny & The Revolt of 1857.
42	Wheeler J.T.	Early Records of British India
43	Tripathi A	Trade and Finances in Bengal Presidency (1793-1833)
44	Panikar K.M.	Evolution of British Policy towards Indian States (1774-1858)
45	Dutta R.C.	Famines and Settlements in India.
46	Dutta R.C.	India in the Victorian Age.
47	Dutta R.C.	India under Early British Rule.
48	Tarachand	History of Indian Freedom Struggle.

PAPER NO. 12 PROJECT WORK

The projects should be based on the following topics –

- 1) Forts
- 2) Caves
- 3) Historical Monuments.
- 4) Saints.
- 5) museums.
- 6) Religious Traditions.
- 7) Local History.
- 8) Late Prominent Leaders.
- 9) Social Workers.
- 10) Social Movements at Taluka or District Level.
- 11) Inscriptions.
- 12) Women Movements at Taluka or District Level.
- 13) Peasant Movement.
- 14) Labour Movement.
- 15) Hyderabad Freedom Struggle.
- 16) Temples (Art & Architecture.
- 17) Archives.
- 18) Archaeology Sites.
- 19) Epigraphy (Coin Study).
- 20) Prominent Historians.
- 21) Reporting of the Lectures Series arranged in college.

1. 60 periods are meant for classroom teaching and Project work.

HISTORY SYLLABUS FINAL

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

SYLLABUS OF B.A.IIIrd YEAR (HISTORY)

SEMESTER SYSTEM

SEMESTER- VIth

PAPER NO. 13 FIELDS OF HISTORY (ARCHAEOLOGY, MUSEOLOGY, TOURISM)

Sr. No.	Name of the chapter	Periods Allotted
	Objective: History is allied and deeply rooted in the various fields of professions. And this course will orient the students in leading and using them as a part of their historical acknowledge.	
1	Archaeology : a) Meaning and object b) Archaeology and Anthropology, Archaeology and Material Sciences. c) A brief history of Indian Archaeology.	15
	Process in Archaeology: a) Search of Archaeological Sites. b) Collection and classification of Archaeological material (remains)	10
2	Museology : a) Definition of museum and Museology. b) Aims and function of History museums. c) Documentation, identification, classification and indexing of the material. d) Use of History Museum.	15
3	Tourism : a) Definition and object of Tourism, role of History in Tourism. b) Distinction between travelers and visitors, excursionist and business tour. c) Motivation of Tourism – Pleasure education, culture, Social, ethic, religion, health, history.	12
4	Types and forms of Tourism: Domestic, regional, national and international.	08
Total periods:		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO. 13 FIELDS OF HISTORY (ARCHAEOLOGY, MUSEOLOGY, TOURISM)

SUGGESTED READINGS:

1	D.K. Chakrabarti	History of Indian Archaeology; Mushiram Manotaicalal, Delhi- 1988
2	Daniel Glyn	The Origins and growth of Archaeology; Penguin Book, Harmondswrth, 1967
3	Mishra F.	Researches in Archaeology and Conservation; Sandeep Prakashan, Delhi- 1999
4	Deglurkar G.B.	Temple Architecture and Sculpture of Maharashtra; Nagpur- 1974.
5	Fergusson J. & Burgess	Cave Temples of India; London, 1880.
6	Prabhakar Deo	Temples of Marathwada
7	Sankliya and Deo	Indian Archaeology a Review 1957-1958
8	Sankliya, Deo and Ansari	From History to prehistory at Nevasa; Poona, 1960
9	Smita J. Baxi and V.P. Dwivedi	Modern Museum; New Delhi, 1973
10	M.D. Sankaliya	Indian Archaeology Today.
11	A.V. Naik	Archaeology of the Deccan.
12	S.K. Dikshit	Introduction to Archaeology.
13	A.N. Khanna	Archaeology of India.
14	Bhatia A.K.	Tourism in India – History and Development, Sterling, New Delhi, 1978
15	Butler R.W.	The Social implication of Tourism Development, Tourism Research 2, 1974.
16	Cooper C.	Tourism Principles and practices; Pitman, London, 1993.
17	Davis H.D.	Potentials for Tourism of Developing Countries, Finance and Development; London, 1968.
18	Crampon L.T.	Development of Tourism; University of Colorado Press, Colorado, 1963.
19	Seth Prem Nath	Tourism Development, Sterling Publication, New Delhi.
20	Kaul	Dynamics of Tourism; Sterling, New Delhi.
21	Mill and Morrison	The Tourism System and Introductory Text; 1991.
22	P.S. Gill	Dynamics of Tourism – 4 Vols, Anmol Publication.
23	A.P. Singh	Conservation and Museum Techniques; New Delhi, 1987.

मराठी संदर्भ ग्रंथ

१	शोभना गोखले	पुनाभिलेख विद्या
२	शा. भा. देव	महाराष्ट्र एक पुनातत्पीय समालोचन
३	सांकलीया माटे	महाराष्ट्रातील पुनातत्प
४	मो. ग. दीक्षीत	महाराष्ट्रातील काही शिलालेख व ताम्रपट
५	पी. के. काने	भारत वर्षाचा प्राचीन भूगोल
६	गौरीशंकर ओझा	प्राचीन भारतीय लिपी माला
७	शा. भा. देव	तेवपुनातत्प वस्तुसंघहालयाचे विभाग, मुंबई
८	मधुकर ढवळीकर	पुनातत्प विद्या मुंबई १९८०
९	मधुकर ढवळीकर	प्राचीन भारतीय नामक शास्त्र पुणे १९७५
१०	ब. बा. जोरकर	हरिवंश "साप्ताहिक" १९९० "नाण्याचा उगम आणि प्रगती"
११	शा. भा. देव	पुनातत्प विद्या, पुणे १९७६

HISTORY SYLLABUS FINAL

PAPER NO. 14 - LANDMARKS IN THE HISTORY OF MODERN WORLD

Sr.No.	Name of the Chapter	Period Allotted
1	Renaissance and Reformation in Chapter	10
2	American war of Independence Causes, Course and Consequences	08
3	French Revolution: Causes, Course and Consequences	08
4	Industrial Revolution: Background, Development, Significance.	10
5	European imperialism in Asia & Africa First World War : Causes and Effects	08
6	Russian Revolution of 1917 : Causes, Course and Consequences.	08
7	Second World War : Causes, Course and Consequences	08
Total periods:		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO. 14 - LANDMARKS IN THE HISTORY OF MODERN WORLD

SUGGESTED READINGS:

1	Hazen	Modern Europe
2	Grant & Temperley	Europe in 19 th & 20 th Century
3	E.H. Carr	International relation between Two world Wars.
4	Lipson	Europe in the 19 th and 20 th Centuries.
5	H.P.T.Moon	Imperialism and world politics.

मराठी □ हिन्दी संदर्भ ग्रंथ सूची

१	डॉ. जे.ए. सुभद्रा	आधुनिक जग
२	आठपले भद्राशिव	आधुनिक युरोप
३	कुलकर्णी अ.बा.च फडके श्री.बा.	आधुनिक युरोप
४	शिबगांवकर शशावती	आधुनिक युरोपचा इतिहास
५	गायकवाड, कदम, धोबात	आधुनिक जगाचा इतिहास भाग १ व २
६	जयसिंगराव पवार	आधुनिक युरोपचा इतिहास
७	कोलाबकर	आधुनिक युरोप
८	हरिहर ठोस	आधुनिक युगातील विद्यार्थ्यांसाठी

HISTORY SYLLABUS FINAL

**PAPER NO 15 – GLIMPSES OF THE HISTORY OF MARATHWADA
(U.P. TO A.D. 1948)**

Sr. No.	Name of the Chapter	Periods Allotted
1	Political History of Marathwada – A brief Survey.	12
2	Religious movements : Brahminism, Buddhism, Jainism, Mahanubhav, Veershiva, Varkari movement, Sufism.	12
3	Art and Architecture, Temple Architecture, Forts.	12
4	Socio-Economical and cultural History of under the Nizam state	12
5	Hyderabad freedom Struggle. Role of all India Scheduled Cast Federation in Hyderabad Freedom Struggle.	12
Total periods :		60

NOTE:

1] 60 periods = 04 credits

HISTORY SYLLABUS FINAL

PAPER NO 15 – GLIMPSES OF THE HISTORY OF MARATHWADA
(U.P. TO A.D. 1948)

SUGGESTED READINGS:

1	Dr. Pathy T.V.	Ellora – a Cultural Study
2	Dr. Deo Prabhakar	Temples in Marathwada
3	Dr. Kate P.V.	Marathwada under the Nizams (1724-1948)
4	Dr. Morvanchikar R.S.	Paithan Through the Ages
5	Dr. Morvanchikar R.S.	The City and Saints
6	Dr. Dhendgle B.S.	Freedom Struggle of Marathwada

मराठी □ हिन्दी संदर्भ ग्रंथ सूची

१	प्रा. म. श्री. माटे	प्राचीन भारतीय काला
२	प्रा. शोभना गोखले	पुराभलेख विद्या
३	डॉ. शां. मा. देव	पुरातत्व विद्या
४	नि. पु. जोशी	मूर्ती विज्ञान
५	म. श्री. माटे	मराठवाडयाचे कलावैभव
६	पु. ग. बाह्रजबुध्दे	महाराष्ट्र संस्कृती
७	डॉ. बा. श्री. मोरवंचीकर	दक्षिण काशी पैठण
८	डॉ. बा. श्री. मोरवंचीकर	भातवाहनकालीन महाराष्ट्र
९	प्रा. बी. जामटाडीकर सुलभा	सुवर्णनगरी तेव
१०	डॉ. कर्वे इनामती	मराठी लोकांची संस्कृती
११	पामसे ग. म.	यादवकालीन महाराष्ट्र
१२	देशपांडे ब्रह्मानंद	देवगिरीचे यादव
१३	हनुमन्त धीरजलाल बांकलिया, मधुकर श्रीपाद माटे	महाराष्ट्रातील पुरातत्व
१४	देशपांडे ब्रह्मानंद	शोधमुद्रा
१५	म. के. ढवळीकर	पुरातत्व विद्या
१६	गोपिक बब्रानाम अब्देसई (खंड १)	ब्रिटीश बियागत
१७	गोपिक बब्रानाम अब्देसई (खंड २)	ब्रिटीश बियागत
१८	य. दि. फडके (खंड १, २)	पिशाच्या शतकातील महाराष्ट्र
१९	य. दि. फडके (खंड ३)	पिशाच्या शतकातील महाराष्ट्र
२०	विष्णू भिकाजी कोलते	बधानपांठी
२१	लक्ष्मीकांत देशमुख, विल धारकर	मुक्तिसंग्राम
२२	अनंत भालेराव	ब्रह्मी ब्रह्मानंद तीर्थ
२३	प्रा. भगवान काळे	मराठवाडा: काल आणि आज
२४	बेतू माधवराव पगडी	जीवनबेतू
२५	आ. कृ. पाघमारे (खंड २)	संघर्ष
२६	प्रिनायकराव चवठाणकर	ब्रह्मसंघर्ष संग्राम
२७	हनुमंत गणेश वैष्णव	मागे पळून पाहताना
२८	प्रा. भगवान काळे	संयुक्त महाराष्ट्र: काल आणि आज
२९	डॉ. ज्योत्सना धारपुरे	अशा झुंजलो आम्ही
३०	बफिक झकेरिया	बाबदार पटेल आणि भारतीय मुक्तांगण
३१	नांदेड जिल्हा संदर्भ ग्रंथ समिती	महाराष्ट्र राज्य बौद्ध महोत्सवी

		प्रकाशन
३२	बु. ग. जोशी	मराठवाडा संशोधन मंडळ वार्षिक ग्रंथ, १९७५
३३	अनंत भालेबाब	पेटलेले दिवस
३४	आ. द. सातोबकर	गोमंतक (खंड ३)
३५	प्रा. ठसम सुर्यवंशी	गोदाकाठचा राजयोग
३६	लालजी पेंडसे	महाराष्ट्राचे महामध्यम
३७	ब्रह्मि बामानंद तीर्थ: संपादक प्रि. पा. देऊळगायकबर	हैद्राबाद मुक्तिसंग्रामाच्या आठवणी
३८	भालेबाब अनंत	हैद्राबाद मुक्तिसंग्राम व मराठवाडा
३९	डॉ. कुलकर्णी श्री. रं.	मोगलकाळातील झुंजार शहरदार

OR

HISTORY SYLLABUS FINAL

PAPER NO. 15 NATIONALIST MOVEMENTS IN SOUTH - EAST – ASIA

Sr.No.	Name of the Chapter	Periods Allotted
1	European colonial rule in South- East- Asia: Nature and Impact	12
2	Rise and growth of nationalist movement: a) Indonesia- ole of Sukarno and Hatta b) Burma- Role of Aung Sun. Dr.Barma	12
3	Rise and growth of Nationalist movements: a) Phillipins b) Indo-China- Rold of Chi Minh	12
4	Modernization programme in Thailand (1851-1910). And Revolution of 1932	
5	Japanese occupation of South-East-Asia during Second World War.	12
Total periods :		60

NOTE:

1] 60 periods = 04 credits

OR

HISTORY SYLLABUS FINAL

PAPER NO. 15 NATIONALIST MOVEMENTS IN SOUTH - EAST – ASIA

SUGGESTED READINGS:

1	Harrison B.	A short history of Southeast Asia
2	Sardesai R.R.	Southeast Asia
3	Kahin G	Govt. & Politics of Southeast Asia
4	Cady J.F.	Southeast Asia : Its Historical Development
5	A Doak Darnett	Communist Strategies in Asia
6	Stuart Schram	Marxism and Asia
7	John Bartin and Harry Benda	A History of Modern Southeast Asia
8	Norodom Sihanouk	My War with the CLA
9	Steinberg David J and others	Cambodia, Its People, Society Culture.
10	Bernard , Fall (Ed)	Ho-Chi-Minh on Revolution
11	Lacourtue, Jean	Ho-Chi-Minh
12	D.R.Sardesai	British Trade and Expasion in Southest Asia.
13	D.R.Sardesai	Southeast Asia, Past and Present.
14	Usha Mahajani	Philippine's Nationalism
15	Pham Van Dong	Selected Writings.
16	Bijan Raj Chatterjee	Last Hundred Years in Fae East and Japan
17	Brain Harrison	Southeast Asia
18	Me Vey, Ruth	Rise of Indonesian Communism
19	Fred R. Von Der Mehden	Southest Asia (1930-1970)
20	Nawaz B. Mody	Indonesia under Suharto
21	R.P.Shinha & Surya	Southeast Asia- People's Struggle and Political Indentity
मराठी संदर्भ ग्रंथ सूची		
1	गुप्ते कुलकर्णी	आग्नेय आशियाचा इतिहास
2	डॉ. देवपुजारी	आग्नेय आशिया
3	मो. ना. आंबेकर	आग्नेय आशियाचा इतिहास

PAPER NO. 16 PROJECT WORK

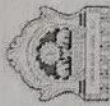
Total Mark -- 100

Project weighting -- 80

Presentation - 20

1. 60 periods are meant for classroom teaching and Project work.

**Babasaheb Ambedkar
Marathwada University,
Aurangabad**



**Syllabus of Economics
E. A. Second Year
Semester - III & IV**

[Effective from the Academic Year 2014-15 & Onwards]

[Signature]
Dr. Dilip Arjune
(Chairman Economics)

**DR. BABASAHEB AMBEDKAR MARATHAWADA UNIVERSITY,
AURANGABAD,
Economics
B.A. II YEAR
Semester III & IV**

REVISED SYLLABUS - EFFECTIVE FROM 2014-2015

Paper No.	Title of the Paper	Periods Allotted	Marks
Semester III			
ECO-105	Macro Economics (Compulsory)	60	50
ECO-106	Development Economics (Compulsory)	60	50
Semester IV			
ECO-107	Public Finance (Compulsory)	60	50
ECO-108	Statistical Methods (Compulsory)	60	50

Chairman,

[Signature]

(Dr. D. S. Arjune)
B.O.S., Economics,
Dr. Babasaheb Ambedkar Marathwada
University,
Aurangabad.

S.Y.B.A. Economics

(Revised Syllabus)

Semester -III

ECO - 105:-Macro Economics (Compulsory)

Marks: 50

Objectives:-

This paper of Macro Economics is designed to make undergraduate students aware of the basic theoretical framework underlying the field of Macro Economics.

Unit: I - Introduction:

- 1.1 Macro Economics -Definition, nature and scope.
- 1.2 Importance and limitations of Macro Economics.
- 1.3 Difference between Macro and Micro Economics.

Unit: II - National Income:

- 2.1 National Income -Definition and various concepts.
- 2.2 Significance and circular flow of national income.
- 2.3 Measurement and difficulties in measuring national income.

Unit: III - Theory of Money:

- 3.1 Value of money and its measurement.
- 3.2 Index Number.
- 3.3 Quantitative Theory of Money, Fisher's approach.

Unit: IV – Output and Employment:

- 4.1 Classical theories of employment.
- 4.2 Keynesian theory of employment-aggregate demand function, aggregate supply function, Principle of effective demand.
- 4.3 Consumption function – concept, Keynesian Psychological law of consumption average and Marginal propensity to consume.

Unit: V - Theory of Trade Cycles:

- 5.1 Nature and characteristics of trade cycles.
- 5.2 Hawtrey's monetary theory, Hayek's over investment theory, Keynesian view on trade cycles.
- 5.3 Control of trade cycles -monetary and Fiscal measures.

Basic Reading List:

1. Ackely, G.(1976), Macro Economics : Theory and Policy , Macemilan Publishing Company, New York.
2. Day, A.C.L. (1960), Outline of Monetary Economics, Oxford University Press, Oxford.
3. Gupta S. B. (1994), Monetary Economics, S. Chand and Co. Delhi.
4. Heijdra, B. J. and F.V. Ploeg (2001), Foundations of Modern Macro Economics, Oxford University Press, Oxford.
5. Lewis M.K. and P. D. Mizan (2000), Monetary Economics Oxford University Press, New Delhi.
6. Shapiro E. (1996), Macro Economics Analysis, Gaigotla Publications, New Delhi.

S.Y. B.A. Economics

(Revised Syllabus)

Semester – III

ECO-106:- Economics of Development (Compulsory)

Marks: 50

Objectives:

This paper would enable the students to know about theories of Development underlying the field of Economics of Development.

Unit – I: Introduction:

- 1.1 Meaning of economic development and growth.
- 1.2 Difference between development and growth.
- 1.3 Concept of underdevelopment and characteristics of underdeveloped countries, Sustainable development, obstacles to economic development.

Unit - II: Theories of Development:

- 2.1 Theories of Adam Smith and Malthus.
- 2.2 Karl Max's Theory of Economic Development.
- 2.3 Schumpeter's Theory of Economic Development.

Unit -III: Factors in Development Process.

- 3.1 Natural resources, renewable and non renewable.
- 3.2 Population – Theory of optimum population.
- 3.3 Saving and investment – Capital accumulation, capital output ratio, Choice of technique.

Unit – IV: Growth Models:

- 4.1 Ragnar Nurkse's model of Economic growth.
- 4.2 W.W. Rostow's stages of economic growth.
- 4.3 Rosenstein Rodan's Theory of Big Push, Balanced v/s unbalanced growth.

Unit – V: Sectoral View of Economic Development:

- 5.1 Role of agriculture in economic development.
- 5.2 Role of industrialisation in economic development.
- 5.3 Role of service sector in economic development, Role of Nano Technology in agricultural development.

Basic Reading List:

1. Adelman I. (1961), Theories of Economic Growth and development, Stanford University Press, Stanford.
2. Behrman S. and T.N. Srinivasan (1995), Handbook of Development Economic Vol. 1 to 3, Elsevire, Amsterdam.
3. Higgins B. Economic Development: Past and present.
4. M.L. Jhingan : Economics of Development and Planning.
5. Ray Debray : Development Economic.
6. Kindleberger C. P. (1977) Economic Development. Oxford University Press, New Delhi.
7. Thirwal A. P. (1990): Growth and Development, Macmillan, London.
8. Sen A. K. (1990), Growth Economics, Pengnin, Harmondsworth.

**D R. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



**Curriculum under Choice Based Credit &
Grading System**

M.Sc. I & II Year

Computer Science & I.T.

Semester-I to IV

**run at college level from the
Academic Year 2015-16 & onwards**

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD
DEPARTMENT OF COMPUTER SCIENCE AND
INFORMATION TECHNOLOGY**



SCHEME FOR CHOICE BASED CREDIT SYSTEM (CBCS)

W.E.F. JUNE, 2011 (ACADEMIC YEAR, 2011 to 2012 Onwards)

M. Sc. Computer Science Course Structure:

Sem-I	Sem-II	Sem-III	Sem-IV
Advanced Java	Data Structure and Analysis of Algorithm	Java Network Programming	Pattern Recognition
Neural Network	Advanced Neural Network and Fuzzy System	Advanced Software Engineering and Technology	Major Project
Digital Signal Processing	Image Processing	Computer Vision	Seminar
Advanced Operating System	Parallel Computing	Elective - I: (Select any one from list of elective I) 1. Advanced Embedded System 2. Data Ware Housing 3. GIT 4. Biometric Techniques 5. Mobile Computing	Elective -II: (Select any one from list of elective II) 1. Theoretical Computer Science 2. Decision Support System & intelligent System 3. Data Mining 4. Cryptography and Network Security 5. Introduction to MEMS Pro+

Semester-I

Course Code	Course Title	No. of Credits	No. of Hours / Week	Total Marks:100	
				External	Internal
CSC401	Advanced Java	4	4	80	20
CSC402	Neural Network	4	4	80	20
CSC403	Digital Signal Processing	4	4	80	20
CSC404	Advanced Operating System	4	4	80	20
CSC451	Practical Based on CSC401	2	4 (Per Batch)	50	-
CSC452	Practical Based on CSC402	2	4 (Per Batch)	50	-
CSC453	Practical Based on CSC403	2	4 (Per Batch)	50	-
CSC454	Practical Based on CSC404	2	4 (Per Batch)	50	-
Total No of Credits in Sem-I		24	--	--	--

Semester-II

Course Code	Course Title	No. of Credits	No. of Hours / Week	Total Marks:100	
				External	Internal
CSC405	Data Structure and Analysis of Algorithm	4	4	80	20
CSC406	Advanced Neural Network and Fuzzy System	4	4	80	20
CSC407	Image Processing	4	4	80	20
CSC408	Parallel Computing	4	4	80	20
CSC455	Practical Based on CSC405	2	4 (Per Batch)	50	-
CSC456	Practical Based on CSC406	2	4 (Per Batch)	50	-
CSC457	Practical Based on CSC407	2	4 (Per Batch)	50	-
CSC458	Practical Based on CSC408	2	4 (Per Batch)	50	-
Total No of Credits in Sem-II		24	--	--	--

Semester-III

Course Code	Course Title	No. of Credits	No. of Hours / Week	Total Marks:100	
				External	Internal
CSC501	Java Network Programming	4	4	80	20
CSC502	Advanced Software Engineering and Technology	4	4	80	20
CSC503	Computer Vision	4	4	80	20
CSC504	Elective - I: (Select any one from list of elective I)	4	4	80	20
CSC551	Practical Based on CSC501	2	4 (Per Batch)	50	-
CSC552	Practical Based on CSC502	2	4 (Per Batch)	50	-
CSC553	Practical Based on CSC503	2	4 (Per Batch)	50	-
CSC554	Practical Based on CSC504	2	4 (Per Batch)	50	-
Total No of Credits in Sem-III		24	--	--	--

Semester-IV

Course Code	Course Title	No. of Credits	No. of Hours / Week	Total Marks:100	
				External	Internal
CSC505	Pattern Recognition	4	4	80	20
CSC506	Elective -II: (Select any one from list of elective II)	4	4	80	20
CSC555	Practical Based on CSC505	2	4 (Per Batch)	50	-
CSC556	Practical Based on CSC506	2	4 (Per Batch)	50	-
CSC557	Major Project	8	16 (Per Batch)	50	-
CSC558	Seminar	4	8 (Per Batch)	50	-
Total No of Credits in Sem-IV		24	--	--	--

Total credits of the course =104 (24+24+24+24+8)

Elective I					
Course Code	Course Title	No. of Credits	No. of Hours / Week	Total Marks:100	
				External	Internal
CSC421	Advanced Embedded System	4	4	80	20
CSC422	Practical Based on CSC421	2	4 (Per Batch)	50	-
CSC423	Data Ware Housing	4	4	80	20
CSC424	Practical Based on CSC423	2	4 (Per Batch)	50	-
CSC425	GIT	4	4	80	20
CSC426	Practical Based on CSC425	2	4 (Per Batch)	50	-
CSC427	Biometric Techniques	4	4	80	20
CSC428	Practical Based on CSC427	2	4 (Per Batch)	50	-
CSC429	Mobile Computing	4	4	80	20
CSC430	Practical based on CSC429	2	4 (Per Batch)	50	-

Elective II					
Course Code	Course Title	No. of Credits	No. of Hours / Week	Total Marks: 100	
				External	Internal
CSC431	Theoretical Computer Science	4	4	80	20
CSC432	Practical based on CSC431	2	4 (Per Batch)	50	-
CSC433	Decision Support System & Intelligent System	4	4	80	20
CSC434	Practical based on CSC433	2	4 (Per Batch)	50	-
CSC435	Data Mining	4	4	80	20
CSC436	Practical based on CSC435	2	4 (Per Batch)	50	-
CSC437	Cryptography and Network Security	4	4	80	20
CSC438	Practical based on CSC437	2	4 (Per Batch)	50	-
CSC439	Introduction to MEMS Pro+	4	4	80	20
CSC440	Practical based on CSC439	2	4 (Per Batch)	50	-

Service Courses:

The student should opt service course of 8 credits either from parent department or from other department.

Course Code	Course Title	No. of Credits	No. of Hours / Week	Total Marks:100	
				External	Internal
CSC441	Introduction to MATLAB	2	2	80	20
CSC442	Practical Based on CSC441	2	4 (Per Batch)	50	-
CSC443	Aptitude	2	2	80	20
CSC444	Practical Based on CSC443	2	4 (Per Batch)	50	-
CSC445	Personality Development	2	2	80	20
CSC446	Practical Based on CSC445	2	4 (Per Batch)	50	-
CSC447	Communication Skill	2	2	80	20
CSC448	Practical Based on CSC447	2	4 (Per Batch)	50	-
CSC449	Programming in VB.NET	2	2	80	20
CSC450	Practical Based on CSC449	2	4 (Per Batch)	50	-

Detail Syllabus of M. Sc. Computer Science Semester-I

Subject Reference No	CSC401	Subject Title	Advanced Java
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Course Objective

This course assumes that students are aware of core java programming and hence it starts from threading and goes up to web programming. It covers some advance topics of reflection, applets, swings, JDBC, Networking, JSP and Servlet.

At Course Completion

After completion of this course students can write good application based on java. Students can appear for java certification examinations. Student can also work on networking and web projects.

Prerequisites

Student should know the programming in core java.

UNIT I:

Threading: Threading Basics: Java Thread Model, Creating and Running Threads, Manipulating Thread State, Thread Synchronization, Volatile Fields vs. Synchronized Methods, wait and notify, join and sleep, The Concurrency API, Atomic Operations **Reflection:** Uses for Meta-Data, The Reflection API, The Class<T> Class, The java.lang.reflect Package, Reading Type Information, Navigating Inheritance Trees, Dynamic Instantiation, Dynamic Invocation, Reflecting on Generics

UNIT II:

Java Database Connectivity: JDBC, JDBC Architecture (type 1, type 2, Type 3, type 4) the java.sql.* package, Connection, ResultSet, Statements

UNIT III:

Servlets: Web Application Basics: How the Web works, Thin Clients, TCP/IP, HTTP overview, Brief HTML review, Overview of Java EE, servlets & Web applications, Servlet Basics, Servlet API:-HTML Forms, HTTP: Request-response, headers, GET, POST, Overview: How Servlets Work, Servlet Lifecycle: init(), service(), destroy(), Requests and responses, Core Servlet API: GenericServlet, ServletRequest, and ServletResponse, HTTP Servlets: HttpServletRequest, HttpServletResponse and HttpServlet, Accessing Parameters, Additional Servlet Capabilities, HTTP headers and MIME types RequestDispatcher: Including and forwarding, Sharing data with the request object attributes, Sharing data with ServletContext attributes, Error Handling

UNIT IV:

Java Server Pages: Basics and Overview, JSP architecture, JSP tags and JSP expressions, Fixed Template Data, Lifecycle of a JSP, Model View Controller (MVC), Model 1/Model 2 Architecture, Data Sharing among servlets & JSP: Object scopes or "buckets", Request, application, session and page scope, Predefined JSP implicit objects (request, session, application, page), <jsp:useBean>, <jsp:getProperty>, <jsp:setProperty>, <jsp:include>, <jsp:forward>, More JSP Capabilities and Session Management, HTTP as a stateless protocol, Hidden form fields, Cookies: Overview, API, Using cookies, Session overview: Cookies and session tracking, HttpSession, Putting data into a session object, Retrieving data from a session object, Using session data in servlets and JSPs Additional JSP Capabilities, Exception handling and error pages, Directives (page, include, others), Import declarations, Multithreading considerations

and data safety, SingleThreadModel interface, Additional JSP Capabilities, JSP Directives, JSP Error Pages, JSP and Java Declarations, Scriptlet overview, Scriptlet syntax

UNIT V:

JSTL: Using Custom Tags, Custom tags overview, Reducing JSP complexity, Tag Libraries, Tag Library Descriptor (TLD), Loading a tag library in a web app, The JSTL, JSP Expression Language (EL), Using custom tags, The c:url, c:param, c:forEach, c:out tags, Overview of JSTL libraries, The JSTL Expression Language, Expressions, Type Coercion, Operators, String concatenation, Implicit Objects, The Core JSTL Library, General Purpose: c:out, c:set, c:catch, Conditional: c:if, c:choose,, Overview of other capabilities, Additional Topics : Servlet Filter overview, Filtering examples, lifecycle, & filter chains, Filter API, Modifying a request, Modifying a response, Struts Overview Advanced MVC – Struts overview, Command and State patterns, Struts View and Controller elements

Books

1. Java 2 Complete Reference by Herbert Schieldt (Sixth Edition)
2. Core Java Vol 1: Sun Press
3. Core Java Vol 2: Sun Press

Additional Web Reference

<http://www.javapassion.com/javaintro/>
Presentation Slides (Available in .ppt format)

E-book:

1. Java 2 Complete Reference by Herbert Schieldt (Fourth Edition)

Lab Exercise: CSC451 Practical based on CSC401

At least two experiments should be carried out on each unit.

Subject Reference no	CSC402	Subject Title	Neural Network
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To study learning and modeling of the algorithms of Neural Networks.

Prerequisite: Basic knowledge of linear algebra, calculus and logic.

UNIT I:

INTRODUCTION: Feedforward Neural Networks: Artificial Neurons, **Neural Networks and Architectures:** Neuron Abstraction, Neuron Signal Functions, Mathematical Preliminaries, Neural Networks Defined, Architectures: Feed forward and Feedback, Salient Properties and Application Domains of Neural Network **Geometry of Binary Threshold Neurons and Their Network:**Patterns Recognition and Data Classification, Convex Sets, Convex Hulls and Linear Separability, Space of Boolean Functions, Binary Neurons are pattern Dichotomizes, Non-linearly separable Problems, Capacity of a simple Threshold Logic Neuron, Revisiting the XOR Problem, Multilayer Networks.

UNIT II:

SUPERVISED LEARNING: Supervised Learning I: Perceptrons and LMS: Learning and Memory, From Synapses to Behaviour: The Case of Aplysia, Learning Algorithms, Error Correction and Gradient Descent Rules, The Learning Objective for TLNs, Pattern space and Weight Space, Perceptron Learning Algorithm, Perceptron Convergence Theorem, Perceptron learning and Non-separable Sets, Handling Linearly Non-Separable sets, α -Least Mean Square Learning, MSE Error Surface and its Geometry, Steepest Descent Search with Exact Gradient Information, μ -LMS: Approximate Gradient Descent, Application of LMS to Noise Cancellation,

UNIT III:

Supervised Learning II: Backpropagation and Beyond: Multilayered Network Architectures, Backpropagation Learning Algorithm, Structure Growing Algorithms, Fast Relatives of Backpropagation, Universal Function Approximation and Neural Networks, Applications of Feedforward Neural Networks, Reinforcement Learning

UNIT IV:

Neural Networks: A Statistical Pattern Recognition Perspective: Introduction, Bayes Theorem, Classification Decisions With Bayes Theorem, Probabilistic Interpretation Of A Neuron Discriminant Function, Interpreting Neuron Signals As Probabilities, Multilayered Networks, Error Functions And Posterior Probabilities, Error Functions For Classification Problems

UNIT V:

Generalization: Support Vector Machines and Radial Basis Function Networks: Learning from Examples and Generalization, Statistical Learning Theory Briefer, Support Vector Machines, Radial Basis Function Networks, Regularization Theory Route to RRBFNs, Generalized Radial Basis Function Network, Learning In RRBFNs, Image Classification Application, Other Models for Valid Generalization

BOOKS:

1. Neural Network- A Classroom Approach, Satish Kumar, Tata McGraw Hill
2. Introduction to neural networks using MATLAB 6.0 by Sivanandam, S Sumathi, S N Deepa, TATA McGraw HILL

REFERENCES:

1. Neural networks A comprehensive foundations, Simon Hhaykin, Pearson Education 2nd edition 2004
2. Artificial neural networks - B.Yegnanarayana, Prentice Hall of India P Ltd 2005.
3. Neural networks in Computer intelligence, Li Min Fu, TMH 2003.
4. Neural networks James A Freeman David M S kapura, Pearson education 2004.
5. C++ Neural Network and Fuzzy Logic 2nd Edition, Valluru B. Rao, Hayagriva V. Rao, Henry Holt and Co.
6. Neural Networks and Fuzzy Systems: A Dynamical Systems Approach to Machine Intelligence, Bart Kosko

Lab Exercise: CSC452 Practical based on CSC402

At least two experiments should be carried out on each unit.

Subject Reference no	CSC403	Subject Title	Digital Signal Processing
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective

To study the fundamental aspects, representation and analysis of digital signal and its processing.

Prerequisite: Basics of signal theory, linear algebra, calculus and logic.

UNIT- I:

Multirate Signal Processing: Introduction, Decimation by a factor D , Interpolation by a factor I , Sampling rate conversion by a rational factor I/D , Multistage Implementation of Sampling Rate Conversion, Filter design & Implementation for sampling rate conversion, Applications of Multirate Signal Processing.

Review of DFT, FFT, IIR Filters, FIR Filters,

UNIT- II:

Non-Parametric methods of Power Spectral Estimation: Estimation of spectra from finite duration observation of signals, Non-parametric Methods: Bartlett, Welch & Blackman & Tukey methods, Comparison of all Non-Parametric methods

UNIT -III:

Parametric Methods of Power Spectrum Estimation: Autocorrelation & Its Properties, Relation between autocorrelation & model parameters, AR Models - Yule-Waker & Burg Methods, MA & ARMA models for power spectrum estimation.

UNIT -IV:

Linear Prediction : Forward and Backward Linear Prediction – Forward Linear Prediction, Backward Linear Prediction, Optimum reflection coefficients for the Lattice Forward and Backward Predictors. Solution of the Normal Equations: Levinson Durbin Algorithm, Schur Algorithm. Properties of Linear Prediction Filters

UNIT V:

Finite Word Length Effects: Analysis of finite word length effects in Fixed-point DSP systems – Fixed, Floating Point Arithmetic – ADC quantization noise & signal quality – Finite word length effect in IIR digital Filters – Finite word-length effects in FFT algorithms.

TEXT BOOKS:

1. Digital Signal Processing: Principles, Algorithms & Applications - J.G.Proakis & D.G.Manolakis, 4th ed., PHI.
2. Discrete Time signal processing - Alan V Oppenheim & Ronald W Schaffer, PHI.
3. DSP – A Practical Approach – Emmanuel C. Ifeacher, Barrie. W. Jervis, 2 ed., Pearson Education.

Lab Exercise: CSC453 Practical based on CSC403

At least two experiments should be carried out on each unit.

Subject Reference no	CSC404	Subject Title	Advanced Operating System
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Course objective: This course explores the learners about operating system and their components. This covers the fundamental functionality of Operating system like memory management, process management, I/O management, storage management. Make them ready to analyze the real perspective of operating system in network, distributed, parallel and multi core environment.

Prerequisite: Computer system Architecture, basics of disk operating system.

UNIT I:

Overview: Introduction, history of operating system, **Memory Management:** Processes in memory, Logical addresses, Partitions: static *versus* dynamic, free space management, external fragmentation, Segmented memory, Paged memory: concepts, internal fragmentation, page tables, Demand paging/segmentation, Replacement strategies: FIFO, LRU (and approximations), NRU, LFU/MFU, MRU,

UNIT II:

Cache Management: Allocation and de-allocation techniques, coherence technique, **Processes and Scheduling:** Job/process concepts, Scheduling basics: CPU-I/O interleaving, (non-)preemption, context switching, Scheduling algorithms: FCFS, SJF, SRTF, priority scheduling, round robin, Combined schemes Process details like creation PCB, process view, Thread and interprocess Communication, **Lower Process Management:** Process Synchronization, Deadlocks, Live locks,

UNIT III:

I/O Subsystem: General structure, Polled mode *versus* interrupt-driven I/O, Application I/O interface: block and character devices, buffering, blocking *versus* non-blocking I/O, Other issues: caching, scheduling, spooling, performance, File-system Interface, File System Implementation, Mass Storage Structure, File concept, Directory and storage services, File names and meta-data, Directory name-space: hierarchies, DAGs, hard and soft links, File operations, Access control, Existence and concurrency control,

UNIT IV:

Protection and Security: Requirements, Subjects and objects, Design principles, Authentication schemes, Access matrix: ACLs and capabilities, Combined scheme, Covert channels, **Distributed System:** Distributed system Structures, Distributed File Systems, Distributed coordinated,

UNIT V:**Case Studies:**

- The Linux System
- Windows XP

Book:

1. Abraham Silberschatz, Peter Baer Galvin and Greg Gagne, " Operating System Concepts ", 7th Ed John Wiley and Sons, Inc 2005.
2. William Stallings, "Operating Systems: Internals and design Principles", 5th Ed Prentice –hall, 2005.
3. Andrew Tanenbaum, "Modern operating systems" 3rd Ed, Pearson Education.

Lab Exercise: CSC454 Practical based on CSC404

At least two experiments should carried out on each unit.

Subject Reference No	CSC405	Subject Title	Data Structure and Analysis of Algorithm
No of Credits	4 Theory, 2Practical	Assignment/ Seminars {Internal}	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External {Semester Exam}	80%

Objective: This course provides an introduction to mathematical modeling of computational problems. It covers the common algorithms, algorithmic paradigms, and data structures used to solve these problems. The course emphasizes the relationship between algorithms and programming, and introduces basic performance measures and analysis techniques for these problems.

Prerequisite: Programming language concepts, discrete mathematical structure.

UNIT I:

Overview: Introduction to Algorithm, Analysis of algorithm, Designing of algorithm, the Correctness of Algorithms and the Complexity of Algorithms

UNIT II:

Linear Data Structures: Stack, Queue, Array, Linked list, Priority Queue, Deque, Doubly linked list, circular linked list **Searching and sorting Techniques**

Test1: Part 1, 2 and 3

UNIT III:

Graphs: Introduction to Graph Theory, Graph isomorphism, Graph data structures: Adjacency lists, Adjacency matrices Elementary graph Algorithms: BFS, DFS, Topological sort, strongly connected components **Trees:** Introduction to Trees, Tree traversals (preorder, inorder and postorder), Binary trees, **Balanced trees:** Avl etc., B and B+ tree Application of trees, Minimum Spanning Trees, Single source shortest path, All pair shortest path.

Test1: Part 4 and 5

UNIT IV:

Strings: The string abstract data type, Brute force string pattern matching, regular expression pattern matching, finite automata **Hashing :** Hash function, collision resolution, Heap

UNIT V:

Dynamic programming and greedy algorithms NP vs P: The spaces P and NP, polynomial reduction, NP complete problem **Final Exam: Total syllabus**

Book:

- 1) "Introduction to Algorithms", Thomas Cormen.
- 2) "Data structures and Algorithms", Alfred V.Aho,
- 3) "Fundamentals of Data Structures in c++", Ellis Horowitz.

Lab Exercise: CSC455 Practical based on CSC405

At least two experiments should carried out on each unit.

Subject Reference no	CSC406	Subject Title	Advanced Neural Network and Fuzzy System
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: Modeling and deployment of the applications through Neural Networks, Fuzzy and Genetic algorithms.

Prerequisite:

UNIT I:

Dynamic Systems Review: States, State Vectors and Dynamics, State Equations, Attractors And Stability, Linear Dynamical Systems, Non-Linear Dynamical Systems, Lyapunov Stability, Neurodynamical Systems, The Cohen-Grossberg Theorem

UNIT II:

Attractor Neural Networks: Introduction, Associative Learning, Attractor Neural Network Associative Memory, Linear Associative Memory, Hopfield Network, Content Addressable Memory, Two Handworked Examples, Example of Recall of Memories in Continuous Time, Spurious Attractors, Error Correction with Bipolar Encoding, Error Performance of Hopfield Networks, Applications of Hopfield Networks, Brain-State-in-a-Box Neural Network, Simulated Annealing, Boltzmann Machine, Bidirectional Associative Memory, Handworked Example, BAM Stability Analysis, Error Correction in BAMs, Memory Annihilation of Structured Maps in BAMs, Continuous BAMs, Adaptive BAMs, Application: Pattern Association,

UNIT III:

Adaptive Resonance Theory: Noise-Saturation Dilemma, Solving the Noise-Saturation Dilemma, Recurrent On-Center-Off-Surround Netowrks, Building Blocks of Adaptive Resonance, Substrate of Resonance, Structural Details of the Resonance Model, Adaptive Resonance Theory I (ART I), Handworked Example, MATLAB Code Description, A Breezy Review of ART Operating Principles, Neurophysiological Evidence for ART Mechanisms, Applications

UNIT IV:

Self-Organizing Feature Map: Self Organization, Maximal Eigenvector Filtering, Extracting Principal Components: Sanger's Rule, Generalized Learning Laws, Competitive Learning Revisited, Vector Quantization, Mexican Hat Networks, Self Organizing Feature Maps, Applications of the Self Organizing Map

UNIT V:

Pulsed Neuron Models; The New Generation: Introduction, Spiking Neuron Model, Integrate-and-Fire Neurons, Conductance Based Models, Computing with Spiking Neurons, Reflections, **Fuzzy Sets, Fuzzy Systems and Application:** Need for Numeric and Linguistic Processing, Fuzzy Uncertainty and the Linguistic Variable, Fuzzy Set, Membership Functions, Geometry of Fuzzy Sets, Simple Operations on Fuzzy Sets, Fuzzy Rules for Approximate Reasoning, Rule Composition and Defuzzification, Fuzzy Engineering

Neural Networks and the Soft Computing Paradigm: Soft Computing= Neural + Fuzzy + Evolutionary, Neural Networks: A Summary, Genetic Algorithms, Neural Networks and Fuzzy Logic, Neuro-Fuzzy-Genetic Integration

BOOKS:

1. Neural Network- A Classroom Approach, Satish Kumar, Tata McGraw Hill
2. Introduction to neural networks using MATLAB 6.0 by Sivanandam, S Sumathi, S N Deepa, TATA McGraw HILL

REFERENCES:

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2. Artificial neural networks - B.Yegnanarayana, Prentice Hall of India P Ltd 2005.
3. Neural networks in Computer intelligence, Li Min Fu, TMH 2003.
4. Neural networks James A Freeman David M S kapura, Pearson education 2004.
5. C++ Neural Network and Fuzzy Logic 2nd Edition, Valluru B. Rao, Hayagriva V. Rao, Henry Holt and Co.
6. Neural Networks and Fuzzy Systems: A Dynamical Systems Approach to Machine Intelligence, Bart Kosko,

Lab Exercise: CSC456 Practical based on CSC406

At least two experiments should carried out on each unit.

Subject Reference no	CSC407	Subject Title	Image Processing
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: The course begins with low level processing and works its way up to the beginnings of image interpretation. This approach is taken because image understanding originates from a common database of information. The learner will be required to apply their understating of the concepts involved through the process of building applications that manipulate bi-level and gray scale images through the use of suitable packages (e.g. MATLAB).

Prerequisite: To learn this course basic knowledge of Digital Signal Processing, Mathematics and Statistical Techniques is must.

Unit 1: Image Processing Fundamentals: Digital image, digital image processing, History of digital image processing, State of the art examples of digital image processing, Key stages in digital image processing, The human visual system, Light and the electromagnetic spectrum, Image representation, Image sensing and acquisition, Sampling, quantisation and resolution.

Unit 2: Image Enhancement (Histogram Processing, Point Processing and Spatial Filtering): image enhancement, Different kinds of image enhancement, Histogram processing, Point processing, Neighbourhood operations, Negative images, Thresholding, Logarithmic transformation, Power law transforms, Grey level slicing, Bit plane slicing, Neighbourhood operations, spatial filtering, Smoothing operations, What happens at the edges?, Correlation and convolution, Sharpening filters, 1st derivative filters, 2nd derivative filters, Combining filtering techniques.

Unit 3: Image Enhancement (Frequency Filtering): Jean Baptiste Joseph Fourier, The Fourier series & the Fourier transform, Image Processing in the frequency domain, Image smoothing, Image sharpening, Fast Fourier Transform

Unit 4: Image Restoration (Noise Removal): image restoration, Noise and images, Noise models, Noise removal using spatial domain filtering, Periodic noise, Noise removal using frequency domain filtering.

Unit 5: Segmentation, Morphology and color (Points, Lines, Edges & Thresholding): The segmentation problem, Finding points, lines and edges, thresholding, Simple thresholding, Adaptive thresholding, morphology, Simple morphological operations, Compound operations, Morphological algorithms, Colour fundamentals, Colour models.

Text Book

1. Digital Image Processing, 3/e, Rafael C. Gonzalez, Richard E. Woods. Pearson Education, ISBN: 9788131726952

Lab Exercise: CSC457 Practical based on CSC407

At least two experiments should be carried out on each unit.

Subject Reference no	CSC408	Subject Title	Parallel Computing
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Course Objective: the objective of this course is to make student aware of entirely new paradigm of parallel programming and computing.

Prerequisite: Programming Language Concepts, Threading and Concepts of Operating Systems.

UNIT I:

Introduction to Parallel Computing: Motivating Parallelism, The Computational Power Argument - from Transistors to FLOPS, The Memory/Disk Speed Argument, The Data Communication Argument,

Scope of Parallel Computing, Applications in Engineering and Design, Scientific Applications, Commercial Applications, Applications in Computer Systems, Organization and Contents of the Text, **Parallel Programming Platforms:** Implicit Parallelism: Trends in Microprocessor Architectures, Pipeline and Superscalar Execution, Very Long Instruction Word Processors, Limitations of Memory System Performance*, Improving Effective Memory Latency Using Caches, Impact of Memory Bandwidth, Alternate Approaches for Hiding Memory Latency, Tradeoffs of Multithreading and Prefetching, Dichotomy of Parallel Computing Platforms, Control Structure of Parallel Platforms, Communication Model of Parallel Platforms, Physical Organization of Parallel Platforms, Architecture of an Ideal Parallel Computer, Interconnection Networks for Parallel Computers, Network Topologies, Evaluating Static Interconnection Networks, Evaluating Dynamic Interconnection Networks, Cache Coherence in Multiprocessor Systems, Communication Costs in Parallel Machines, Message Passing Costs in Parallel Computers, Communication Costs in Shared-Address-Space Machines, Routing Mechanisms for Interconnection Networks, Impact of Process-Processor Mapping and Mapping Techniques, Mapping Techniques for Graphs, Cost-Performance Tradeoffs

UNIT II:

Principles of Parallel Algorithm Design: Preliminaries, Decomposition, Tasks, and Dependency Graphs, Granularity, Concurrency, and Task-Interaction, Processes and Mapping, Processes versus Processors, Decomposition Techniques, Recursive Decomposition, Data Decomposition, Exploratory Decomposition, Speculative Decomposition, Hybrid Decompositions, Characteristics of Tasks and Interactions, Characteristics of Tasks, Characteristics of Inter-Task Interactions, Mapping Techniques for Load Balancing, Schemes for Static Mapping, Schemes for Dynamic Mapping, Methods for Containing Interaction Overheads, Maximizing Data Locality, Minimizing Contention and Hot Spots, Overlapping Computations with Interactions, Replicating Data or Computations, Using Optimized Collective Interaction Operations, Overlapping Interactions with Other Interactions, Parallel Algorithm Models, The Data-Parallel Model, The Task Graph Model, The Work Pool Model, The Master-Slave Model, The Pipeline or Producer-Consumer Model, Hybrid Models, **Basic Communication Operations:** One-to-All Broadcast and All-to-One Reduction, Ring or Linear Array, Mesh, Hypercube, Balanced Binary Tree Detailed Algorithms, Cost Analysis, All-to-All Broadcast and Reduction, Linear Array and Ring, Mesh, Hypercube, Cost Analysis, All-Reduce and Prefix-Sum Operations, Scatter and Gather, All-to-All Personalized Communication, Ring, Mesh, Hypercube, Circular Shift, Mesh, Hypercube, Improving the Speed of Some Communication Operations, Splitting and Routing Messages in Parts, All-Port Communication,

UNIT III:

Analytical Modeling of Parallel Programs: Performance Metrics for Parallel Systems, Execution Time, Total Parallel Overhead, Speedup, Efficiency, Cost, The Effect of Granularity on Performance, Scalability of Parallel Systems, Scaling Characteristics of Parallel Programs, The Isoefficiency Metric of Scalability, Cost-Optimality and the Isoefficiency Function, A Lower Bound on the Isoefficiency Function, The Degree of Concurrency and the Isoefficiency Function, Minimum Execution Time and Minimum Cost-Optimal Execution Time, Asymptotic Analysis of Parallel Programs, Other Scalability Metrics, **Programming Using the Message-Passing Paradigm:** Principles of Message-Passing Programming, The Building Blocks: Send and Receive Operations, Blocking Message Passing Operations, Non-Blocking Message Passing Operations, MPI: the Message Passing Interface, Starting and Terminating the MPI Library, Communicators, Getting Information, Sending and Receiving Messages, Example: Odd-Even Sort, Topologies and Embedding, Creating and Using Cartesian Topologies, Example: Cannon's Matrix-Matrix Multiplication, Overlapping Communication with Computation, Non-Blocking Communication Operations, Collective Communication and Computation Operations, Barrier, Broadcast, Reduction, Prefix, Gather, Scatter, All-to-All, Example: One-Dimensional Matrix-Vector Multiplication, Example: Single-Source Shortest-Path, Example: Sample Sort, Groups and

Communicators, Example: Two-Dimensional Matrix- Vector Multiplication,

UNIT IV:

Programming Shared Address Space Platforms: Thread Basics, Why Threads? The POSIX Thread API, Thread Basics: Creation and Termination, Synchronization Primitives in Pthreads, Mutual Exclusion for Shared Variables, Condition Variables for Synchronization, Controlling Thread and Synchronization Attributes, Attributes Objects for Threads, Attributes Objects for Mutexe, Thread Cancellation, Composite Synchronization Constructs, Read-Write Locks, Barriers, Tips for Designing Asynchronous Programs, OpenMP: a Standard for Directive Based Parallel Programming, The OpenMP Programming Model, Specifying Concurrent Tasks in OpenMP, Synchronization Constructs in OpenMP, Data Handling in OpenMP, OpenMP Library Functions, Environment Variables in OpenMP, Explicit Threads versus OpenMP Based Programming **Dense Matrix Algorithms:** Matrix- Vector Multiplication, Rowwise 1-D Partitioning, 2-D Partitioning, Matrix-Matrix Multiplication, A Simple Parallel Algorithm, Cannon's Algorithm, The DNS Algorithm, Solving a System of Linear Equations, A Simple Gaussian Elimination Algorithm, Gaussian Elimination with Partial Pivoting, Solving Q Triangular System: Back-Substitution, Numerical Considerations in Solving Systems of Linear Equations **Sorting:** Issues in Sorting on Parallel Computers, Where the Input and Output Sequences are Stored, How Comparisons are Performed, Sorting Networks, Bitonic Sort, Mapping Bitonic Sort to a Hypercube and a Mesh Bubble Sort and its Variants, Odd-Even Transposition, Shellsort, Quicksort, Parallelizing Quicksort, Parallel Formulation for a CRCW PRAM, Parallel Formulation for Practical Architectures, Pivot Selection, Bucket and Sample Sort, Other Sorting Algorithms, Enumeration Sort, Radix Sort.

UNIT V:

Graph Algorithms: Single-Source Shortest Paths: Dijkstra's Algorithm **Search Algorithms for Discrete Optimization Problems:** Definitions and Examples, Sequential Search Algorithms, Depth-First Search Algorithms, Best-First Search Algorithms, Search Overhead Factor, Parallel Depth-First Search, Important Parameters of Parallel DFS, A General Framework for Analysis of Parallel DFS, Analysis of Load-Balancing Schemes, Termination Detection, Experimental Results, Parallel Formulations of Depth-First Branch-and-Bound Search, Parallel Formulations of IDA *, Parallel Best-First Search, Speedup Anomalies in Parallel Search Algorithms, Analysis of Average Speedup in Parallel DFS **Dynamic Programming:** Overview of Dynamic Programming, Serial Monadic DP Formulations, The Shortest-Path Problem, The Oil Knapsack Problem, Nonserial Monadic DP Formulations, The Longest-Common-Subsequence Problem, Serial Polyadic DP Formulations, Floyd's All-Pairs Shortest-Paths Algorithm, Nonserial Polyadic DP Formulations, The Optimal Matrix-Parenthesization Problem, **Fast Fourier Transform:** The Serial Algorithm, The Binary-Exchange Algorithm, A Full Bandwidth Network, Limited Bandwidth Network, Extra Computations in Parallel FFT, The Transpose Algorithm, Two-Dimensional Transpose Algorithm, The Generalized Transpose Algorithm

Books:

1. Introduction to Parallel Computing, Ananth Grama, Pearson Education

References:

1. Fundamental of Paralle Processing, Harry F. Jordan, Gita Alaghband, Pearson Education
2. Parallel Programming, Michael Allen, Barry Wilkinson, Pearson Education

Lab Exercise: CSC458 Practical based on CSC408

At least two experiments should carried out on each unit.

Semester-III

Subject Reference No	CSCS01	Subject Title	Java Network Programming
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Course Objective

This course assumes that students are aware of core java programming, advanced java and hence it starts from Network Basics and goes up to Network programming. It covers some topics related to client/server concepts.

At Course Completion

After completion of this course students can write good network based application using java. Students can appear for java certification examinations. Student can also work on networking and web projects.

Prerequisites

Student should know the programming in core java and advanced java.

UNIT I:

Introduction to Networking: Basic Network Concepts: Networks, The Layers of a Network, IP, TCP, and UDP, The Internet, The Client/Server Model, Internet Standards, Basic Web Concepts: URIs, HTML, SGML, and XML, HTTP, MIME Media Types, Server-Side Programs

UNIT II:

Looking Up Internet Addresses: The InetAddress Class, Inet4Address and Inet6Address, The NetworkInterface Class, Some Useful Programs, URLs and URIs: The URL Class, TheURLEncoder and URLDecoder Classes, The URL Class, Proxies, Communicating with Server-Side Programs Through GET, Accessing Password-Protected Sites

UNIT III:

Sockets for Clients: Socket Basics, Investigating Protocols with Telnet, The Socket Class, Socket Exceptions, Socket Addresses, Examples, Sockets for Servers, The ServerSocket Class, Some Useful Servers, **Secure Sockets:** Secure Communications, Creating Secure Client Sockets, Methods of the SSLSocket Class, Creating Secure Server Sockets, Methods of the SSLServerSocket Class, Non-Blocking I/O, An Example Client, An Example Server, Buffers, Channels, Readiness Selection

UNIT IV:

UDP Datagrams and Sockets: The UDP Protocol, The DatagramPacket Class, The DatagramSocket Class, Some Useful Applications, DatagramChannel, Multicast Sockets:What Is a Multicast Socket, Working with Multicast Sockets, Two Simple Examples, URLConnections: Opening URLConnections, Reading Data from a Server, Reading the Header, Configuring the Connection, Configuring the Client Request HTTP Header, Writing Data to a Server, Content Handlers, The Object Methods, Security Considerations for URLConnections, Guessing MIME Content Types, HttpURLConnection, Caches, JarURLConnection

UNIT V:

Protocol Handlers: What Is a Protocol Handler, The URLStreamHandlerClass, Writing a Protocol Handler, More Protocol Handler Examples and Techniques, The URLStreamHandlerFactory Interface,
Content Handlers: What Is a Content Handler, The ContentHandler Class, The ContentHandlerFactory Interface, A Content Handler for the FITS Image Format, Remote Method Invocation: What Is Remote Method Invocation, Implementation, Loading Classes at Runtime, The java.rmi Package, The java.rmi.registry Package, The java.rmi.server Package,
The JavaMail API: What Is the JavaMail API, Sending Email, Receiving Mail, Password Authentication, Addresses, The URLName Class, The Message Class, The Part Interface, Multipart Messages and File Attachments, MIME Messages, Folders

Books

1. Java Network Programming, Third Edition, O'Reilly Media, Oct 2004
2. Java Network Programming and Distributed computing, Addison Wesley, March 2002

Additional Reference

1. www.java.com
2. <http://www.dct.udn.vn/daotao/Resource/82487.pdf> (E-book of Java Network Programming and distributed Computing)

Lab Exercise: CSC551 Practical based on CSC501

At least two experiments should carried out on each unit.

Subject Reference no	CSC502	Subject Title	Advanced Software Engineering and Technology
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To learn object oriented Software engineering skills through UML.

Prerequisite: The student must aware of software development paradigms.

UNIT I:

Introduction: Software Engineering, Software Engineering Concepts, Software Engineering Development Activities, Managing Software Development, **Modeling with UML:** An Overview of UML, Use Case Diagrams Class Diagrams, Interaction Diagrams, State Machine Diagrams, Activity Diagrams, **Modeling Concepts:** Systems, Models, and Views, Data Types, Abstract Data Types, and Instances, Classes, Abstract Classes, and Objects, Event Classes, Events, and Messages, Object-Oriented Modeling, Falsification and Prototyping.

UNIT II:

Requirements Elicitation Concepts : Functional Requirements, Nonfunctional Requirements, Completeness, Consistency, Clarity, and Correctness, Realism, Verifiability, and Traceability, Greenfield Engineering, Reengineering, and Interface Engineering, **Requirements Elicitation Activities :** Identifying Actors, Identifying Scenarios, Identifying Use Cases, Refining Use Cases, Identifying Relationships among Actors and Use Cases, Identifying Initial Analysis Objects, Identifying Nonfunctional Requirements, **Managing Requirements Elicitation :** Negotiating Specifications with Clients: Joint Application Design, Maintaining Traceability, Documenting Requirements

Elicitation, Analysis Concepts: Analysis Object Models and Dynamic Models, Entity, Boundary, and Control Objects, Generalization and Specialization, **Analysis Activities:** Identifying Entity Objects, Identifying Boundary Objects, Identifying Control Objects, Mapping Use Cases to Objects with Sequence Diagrams, Modeling Interactions among Objects with CRC Cards, Identifying Associations, Identifying Aggregates, Identifying Attributes, Modeling State-Dependent Behavior of Individual Objects, Modeling Inheritance Relationships between Objects

UNIT III:

System Design: UML Deployment Diagrams, **System Design Activities:** Addressing Design Goals, Managing System Design, Object Design, **Reuse Concepts:** Solution Objects, Inheritance, and Design Patterns, **Reuse Activities:** Selecting Design Patterns and Components, **Interface Specification Concepts:** Class Implementer, Class Extender, and Class User, Types, Signatures, and Visibility, Contracts: Invariants, Preconditions, and Post conditions, Object Constraint Language, OCL Collections: Sets, Bags, and Sequences, **Interface Specification Activities:** Identifying Missing Attributes and Operations, Specifying Types, Signatures, and Visibility, Specifying Pre- and Post conditions, Specifying Invariants, Inheriting Contracts, **Managing Object Design:** Documenting Object Design, Assigning Responsibilities

UNIT IV:

Mapping Models to Code Mapping Concepts: Model Transformation, Refactoring, Forward Engineering, Reverse Engineering, Transformation Principles, **Mapping Activities:** Optimizing the Object Design Model, Mapping Associations to Collections, Mapping Contracts to Exceptions, Mapping Object Models to a Persistent Storage Schema, **Managing Implementation:** Documenting Transformations, Assigning Responsibilities **Testing:** Faults, Erroneous States, and Failures, Test Cases, Test Stubs and Drivers, Corrections, **Testing Activities:** Component Inspection, Usability Testing, Unit Testing, Integration Testing, System Testing, **Managing Testing:** Planning Testing, Documenting Testing, Assigning Responsibilities, Regression Testing, Automating Testing, Model-based Testing

UNIT V:

Configuration Management: Configuration Management Concepts, Configuration Management Activities, Managing Configuration Management, **Project Management:** Project Management Concepts, Classical Project Management Activities, Agile Project Management Activities

Books:

- 1) Object-Oriented Software Engineering: Using UML, Patterns and Java, B. Bruegge & A. H. Dutoit, Prentice Hall
- 2) Object Oriented Software Engineering: A Use Case Driven Approach By Ivar Jacobson, Pearson publication.
- 3) Software Engineering: A Practitioners approach 7th Edition by R. S. Pressman.

Lab Exercise: CSC552 Practical based on CSC502

At least two experiments should be carried out on each unit.

Subject Reference no	CSC503	Subject Title	Computer Vision
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To provide the mechanics for representation and analysis of Multispectral data.

Prerequisite: Student must have knowledge of Signal Processing, Image Processing, Neural Networks and Artificial Intelligence.

UNIT I:

CAMERAS: Pinhole Cameras, Perspective Projection, Affine Projection, **GEOMETRIC CAMERA MODELS:** Elements of Analytical Euclidean Geometry, Coordinate Systems and Homogeneous Coordinates, Coordinate System Changes and Rigid Transformations, Camera Parameters and the Perspective Projection, Intrinsic Parameters, Extrinsic Parameters, A Characterization of Perspective Projection Matrices, Affine Cameras and Affine Projection Equations, Affine Cameras, Affine Projection Equations, A Characterization of Affine Projection Matrices, **GEOMETRIC CAMERA CALIBRATION:** Least-Squares Parameter Estimation, Linear Least-Squares Methods, Nonlinear Least-Squares Methods, A Linear Approach to Camera Calibration, Estimation of the Projection Matrix, Estimation of the Intrinsic and Extrinsic Parameters, Degenerate Point Configurations, Taking Radial Distortion into Account, Estimation of the Projection Matrix, Estimation of the Intrinsic and Extrinsic Parameters, Degenerate Point Configurations, Analytical Photogrammetry, An Application: Mobile Robot Localization
RADIOMETRY-MEASURING LIGHT: Light in, Foreshortening, Solid Angle, Radiance, Light at Surfaces, Simplifying Assumptions, The Bidirectional Reflectance Distribution Function, Example: The Radiometry of Thin Lenses, Important Special Cases, Radiosity, Directional Hemispheric Reflectance, Lambertian Surfaces and Albedo, Specular Surfaces, The Lambertian + Specular Model. **SOURCES, SHADOWS, AND SHADING:** Qualitative Radiometry, Sources and Their Effects, Radiometric, Properties of Light Sources, Point Sources, Line Sources, Area Sources, Local Shading Models, Local Shading Models for Point Sources, Area Sources and Their Shadows, Ambient Illumination, Application: Photometric Stereo, Normal and Albedo from Many Views, Shape from Normals, Interreflections: Global Shading Models, An Interreflection Model, Solving for Radiosity, The Qualitative Effects of Interreflections, **COLOR:** The Physics of Color, Radiometry for Colored Lights: Spectral Quantities, The Color of Sources, The Color of Surfaces, Human Color Perception, Color Matching, Color Receptors, Representing Color, Linear Color Spaces, Non-linear Color Spaces, Spatial and Temporal Effects, A Model for Image Color, Cameras, A Model for Image Color, Application: Finding Specularities, Surface Color from Image Color, Surface Color Perception in People, Inferring Lightness, Surface Color from Finite-Dimensional Linear Models

UNIT II:

LINEAR FILTERS: Linear Filters and, Convolution, Shift Invariant Linear Systems, Discrete Convolution, Continuous Convolution, Edge Effects in Discrete Convolutions, Spatial Frequency and Fourier Transforms, Fourier Transforms, Sampling and Aliasing, Sampling, Aliasing, Smoothing and Resampling, Filters as Templates, Convolution as a Dot Product, Changing Basis, Technique: Normalized Correlation and Finding Patterns, Controlling the Television by Finding Hands by Normalized Correlation, Technique: Scale and Image Pyramids, The Gaussian Pyramid, Applications of Scaled Representations, **TEXTURE:** Representing Texture, Extracting Image Structure with Filter Banks, Representing Texture Using the Statistics of Filter Outputs, Analysis (and Synthesis) Using Oriented Pyramids, The Laplacian Pyramid, Filters in the Spatial Frequency Domain, Oriented Pyramids, Application: Synthesizing Textures for Rendering, Homogeneity, Synthesis by Sampling Local Models, **THE GEOMETRY OF MULTIPLE VIEWS:** Two Views, Epipolar Geometry, The Calibrated Case, Small Motions, The Uncalibrated Case, Weak Calibration, Three Views, Trifocal Geometry, The Calibrated Case, The

Uncalibrated Case, Estimation of the Trifocal Tensor, **STEREOPSIS**: Reconstruction, Image Rectification, Human Stereopsis, Binocular Fusion, Correlation, Multi-Scale Edge Matching, Using More Cameras Three Cameras, Multiple Cameras,

AFFINE STRUCTURE FROM MOTION: Elements of Affine Geometry, Affine Spaces and Barycentric Combinations, Affine Subspaces and Affine Coordinates, Affine Transformations and Affine Projection Models, Affine Shape, Affine Structure and Motion from Two Images, Geometric Scene Reconstruction, Algebraic Motion Estimation, Affine Structure and Motion from Multiple Images, The Affine Structure of Affine Image Sequences, A Factorization Approach to Affine Structure from Motion, From Affine to Euclidean Images, Euclidean Constraints and Calibrated Affine Cameras, Computing Euclidean Upgrades from Multiple Views, Affine Motion Segmentation, The Reduced Row-Echelon Form of the Data Matrix, The Shape Interaction Matrix, **PROJECTIVE STRUCTURE FROM MOTION**: Elements of Projective Geometry, Projective Spaces, Projective Subspaces and Projective Coordinates, Affine and Projective Spaces, Hyperplanes and Duality, Cross-Ratios and Projective Coordinates, Projective Transformations, Projective Shape, Projective Structure and Motion from Binocular Correspondences, Geometric Scene Reconstruction, Algebraic Motion Estimation, Projective Motion Estimation from Multilinear Constraints, Motion Estimation from Fundamental Matrices, Motion Estimation from Trifocal Tensors, Projective Structure and Motion from Multiple Images, A Factorization Approach to Projective Structure from Motion, Bundle Adjustment, From Projective to Euclidean Images

UNIT III:

APPLICATION: IMAGE-BASED RENDERING: Constructing 3D Models from Image Sequences, Scene Modeling from Registered Images, Scene Modeling from Unregistered Images, Transfer-Based Approaches to Image-Based Rendering, Affine View Synthesis, Euclidean View Synthesis, The Light Field, **SEGMENTATION BY CLUSTERING** What Is Segmentation? Model Problems, Segmentation as Clustering, Human Vision: Grouping and Gestalt, Applications: Shot Boundary Detection and Background Subtraction, Background Subtraction, Shot Boundary Detection, Image Segmentation by Clustering Pixels, Segmentation Using Simple Clustering Methods, Clustering and Segmentation by K-means, Segmentation by Graph-Theoretic Clustering, Terminology for Graphs, The Overall Approach, Affinity Measures, Eigenvectors and Segmentation, Normalized Cuts, **SEGMENTATION BY FITTING A MODEL**: The Hough Transform, Fitting Lines with the Hough Transform, Practical Problems with the Hough Transform, Fitting Lines, Line Fitting with Least Squares, Which Point Is on Which Line?, Fitting Curves, Implicit Curves, Parametric Curves, Fitting as a Probabilistic Inference Problem, Robustness, M-estimators, RANSAC, Example: Using RANSAC to Fit Fundamental Matrices, An Expression for Fitting Error, Correspondence as Noise, Applying RANSAC, Finding the Distance, Fitting a Fundamental Matrix to Known Correspondences

UNIT IV:

SEGMENTATION AND FITTING USING PROBABILISTIC METHODS: Missing Data Problems, Fitting, and Segmentation, Missing Data Problems, The EM Algorithm, The EM Algorithm in the General Case, The EM Algorithm in Practice, Example: Image Segmentation, Revisited, Example: Line Fitting with EM, Example: Motion Segmentation and EM, Example: Using EM to Identify Outliers, Example: Background Subtraction Using EM, Example: EM and the Fundamental Matrix, Difficulties with the EM Algorithm, Model Selection: Which Model Is the Best Fit? Basic Ideas, AIC-An Information Criterion, Bayesian Methods and Schwartz' BIC, Description Length, Other Methods for Estimating Deviance, **APPLICATION: FINDING IN DIGITAL LIBRARIES**: Background: Organizing Collections of Information, How Well Does the System Work?, What Do Users Want?, Searching for Pictures, Structuring and Browsing, Summary Representations of the Whole Picture, Histograms and Correlograms, Textures and Textures of Textures, Representations of Parts of the Picture, Segmentation, Template Matching, Shape and Correspondence, Clustering and Organizing Collections, Video **TRACKING WITH LINEAR DYNAMIC MODELS**: Tracking as an Abstract Inference Problem, Independence Assumptions, Tracking as Inference, Overview, Linear

Dynamic Models, Drifting Points, Constant Velocity, Constant Acceleration, Periodic Motion, Higher Order Models, Kalman Filtering, The Kalman Filter for a 1D State Vector, The Kalman Update Equations for a General State Vector, Forward-Backward Smoothing, Data Association, Choosing the Nearest-Global Nearest Neighbours, Gating and Probabilistic Data Association, Applications and Examples, Vehicle Tracking

UNIT V:

MODEL-BASED VISION: Initial Assumptions, Obtaining Hypotheses, Obtaining Hypotheses by Pose Consistency, Pose Consistency for Perspective Cameras, Affine and Projective Camera Models, Linear Combinations of Models, Obtaining Hypotheses by Pose Clustering, Obtaining Hypotheses Using Invariants, Invariants for Plane Figures, Geometric Hashing, Invariants and Indexing, Verification, Edge Proximity, Similarity in Texture, Pattern and Intensity, Application: Registration in Medical Imaging Systems, Imaging Modes, Applications of Registration, Geometric Hashing Techniques in Medical Imaging, Curved Surfaces and Alignment **FINDING TEMPLATES USING CLASSIFIERS:** Classifiers, Using Loss to Determine Decisions, Overview: Methods for Building Classifiers, Example: A Plug-in Classifier for Normal Class-conditional Densities, Example: A Nonparametric Classifier Using Nearest Neighbors, Estimating and Improving Performance, Building Classifiers from Class Histograms, Finding Skin Pixels Using a Classifier, Face Finding Assuming Independent Template Responses, Feature Selection, Principal Component Analysis, Identifying Individuals with Principal Components Analysis, Canonical Variates, Neural Networks, Key Ideas, Minimizing the Error, When to Stop Training, Finding Faces Using Neural Networks, Convolutional Neural Nets, Support Vector Machines for Linearly Separable Datasets, Finding Pedestrians Using Support Vector Machines **ASPECT GRAPHS:** Visual Events: More Differential Geometry, The Geometry of the Gauss Map, Asymptotic Curves, The Asymptotic Spherical Map, Local Visual Events, The Bitangent Ray Manifold, Multilocal Visual Events, Computing the Aspect Graph, Step 1: Tracing Visual Events, Step 2: Constructing the Regions, Remaining Steps of the Algorithm, An Example, Aspect Graphs and Object Localization

Books:

1. Computer Vision: A Modern Approach, Forsyth Ponce, Pearson Education
2. Image Processing, Analysis and Machine Vision, Milan Sonka, Thomson Learning

References:

1. Machine Vision, Jain R C Kasturi R, McGrawHill
2. Three Dimensional Computer Vision, Y Shirai, Springer Verlag
3. Computer And Robot Vision Vo I and II, Haralick R M And Shapiro L G, Addison Wesley
4. Computational Vision, Wechsler, Academic Press
5. Robot Vision, Horn B K P, Cambridge MIT press
6. Digital Image Processing & Computer Vision, Robert J Schalkoff, John Willey Publication

Lab Exercise: CSC553 Practical based on CSC503

At least two experiments should be carried out on each unit.

Elective-I

Subject Reference no	CSC421	Subject Title	Advanced Embedded System
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: Studying the various practical aspects of micro controller and microprocessor in terms of Embedded Systems design.

Prerequisite: Student must aware of microprocessor programming using ALP, Microprocessor Architecture, Instruction set and machine code generations, and C Programming.

UNIT I:

Introduction to Embedded Systems: Embedded Systems, Processor Embedded into a System, Embedded Hardware Units and Devices in a System, Embedded Software in a System, Examples of Embedded Systems, Embedded System-on-chip (Soc) and Use of VLSI Circuit Design Technology, Complex Systems Design and Processors, Design Process in Embedded System, Formalization of System Design, Design Process and Design Examples, Classification of Embedded Systems, Skills Required for an Embedded System Designer **8051 and Advanced Processor Architectures, Memory Organization and Real-world Interfacing:** 8051 Architecture, Real World Interfacing, Introduction to Advanced Architectures, Processor and Memory Organization, Instruction-Level Parallelism, Performance Metrics, Memory-Types, Memory-Maps and Addresses, Processor Selection, Memory Selection, **Devices and Communication Buses for Devices Network** :Types and Examples, Serial Communication Devices, Parallel Device Ports, Sophisticated Interfacing Features in Device Ports, Wireless Devices, Timer and Counting Devices, Watchdog Timer, Real Time Clock, Networked Embedded Systems, Serial Bus Communication Protocols, Parallel Bus Device Protocols-Parallel Communication Network Using ISA, PCI, PCI-X and Advanced Buses, Internet Enabled Systems-Network Protocols, Wireless and Mobile System Protocols

UNIT II:

Device Drivers and Interrupts Service Mechanism: Programmed-I/O Busy-wait Approach without Interrupt Service Mechanism, ISR Concept, Interrupt Sources, Interrupt Servicing (Handling) Mechanism, Multiple Interrupts, Context and the Periods for Context Switching, Interrupt Latency and Deadline, Classification of Processors Interrupt Service Mechanism from Context-Saving Angle, Direct Memory Access, Device Driver Programming, **Programming Concepts and Embedded Programming in C, C++ and Java:** Software Programming in Assembly Language (ALP) and in High-Level Language 'C' 235 , C Program Elements: Header and Source Files and Preprocessor Directives, Program Elements: Macros and Functions, Program Elements: Data Types, Data Structures, Modifiers, Statements, Loops and Pointers, Object-Oriented Programming, Embedded Programming in C++, Embedded Programming in Java, **Program Modeling Concepts:** Program Models, DFG Models, State Machine Programming Models for Event-controlled Program Flow, Modeling of Multiprocessor Systems, UML Modelling

UNIT III:

Interprocess Communication and Synchronization of Processes, Threads and Tasks: Multiple Processes in an Application, Multiple Threads in an Application, Tasks, Task States, Task and Data, Clear-

cut Distinction between Functions, ISRS and Tasks by their Characteristics, Concept of Semaphores, Shared Data, Interprocess Communication, Signal Function, Semaphore Functions, Message Queue Functions, Mailbox Functions, Pipe Functions, Socket Functions, RPC Functions, **Real-Time Operating Systems** : OS Services, Process Management, Timer Functions, Event Functions, Memory Management, Device, File and IO Subsystems Management, Interrupt Routines in RTOS Environment and Handling of Interrupt Source Calls, Real-time Operating Systems, Basic Design Using an RTOS, Rtos Task Scheduling Models, Interrupt Latency and Response of the Tasks as Performance Metrics, OS Security Issues,

UNIT IV:

Real-time Operating System Programming-I: MicroDOS-II and VxWorks, Basic Functions and Types of RTOSes, RTOS mCOS-II, RTOS VxWorks, **Real-time Operating System Programming-II:** Windows CE, OSEK and Real-time Linux Functions, Windows CE, OSEK, Linux 2.6.x and RTLinux, **Design Examples and Case Studies of Program Modeling and Programming with RTOS-I:** Case Study of Embedded System Design and Coding for an Automatic, Chocolate Vending Machine (ACYM) Using Mucos RTOS, Case Study of Digital Camera Hardware and Software Architecture, Case Study of Coding for Sending Application Layer Byte Streams on a TCP/IP Network Using RTOS Vxworks

UNIT V:

Design Examples and Case Studies of Program Modeling and Programming with RTOS-2: Case Study of Communication Between Orchestra Robots, Embedded Systems in Automobile, Case Study of an Embedded System for an Adaptive Cruise Control (ACC) System in a Car, Case Study of an Embedded System for a Smart Card, Case Study of a Mobile Phone Software for Key Inputs, **Embedded Software Development Process and Tools:** Introduction to Embedded Software Development Process and Tools, Host and Target Machines, Linking and Locating Software, Getting Embedded Software into the Target System, Issues in Hardware-Software Design and Co-design, **Testing, Simulation and Debugging Techniques and Tools:** Testing on Host Machine: Simulators, Laboratory Tools

Books:

1. Embedded Systems: Architecture, Programming and Design, Raj Kamal, McGraw Hill

References:

1. "Embedded System Design" Frank Vahid & Tony Givargis; John Wiley & Sons, Inc.
2. "Real - Time Systems and software" Alan C. Shaw ; John Wiley & Sons Inc
3. "Fundamentals of embedded Software", Daniel W. Lewis, Pearson
4. "Real time Systems", J. W. S. Liu, Pearson
5. "Embedded Realtime System Programming", S. V. Iyer and P. Gupta, TMH
6. "An Embedded System Primer" David E. Simon; Addison-Wesley Pub
7. "Embedded System Design" Steve Heath; Butterworth-Heinemann Pub.
8. "Embedded System Computer Architecture" Graham Wilson, Butterworth-Heinemann

Lab Exercise: CSC422 Practical based on CSC421

At least two experiments should be carried out on each unit.

Subject Reference no	CSC423	Subject Title	Data Warehousing
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Course Objective:

A student completing this course unit should:

- 1) Have an understanding of the foundations, the design, the maintenance, the evolution and the use of data warehouses, by looking at these topics in a rigorous way.
- 2) Have mastered the basic range of techniques for creating, controlling and navigating dimensional business databases, by being able to use a powerful tool for dimensional modeling and analysis.

Prerequisite: Student must aware of Relational Database management system, its organization and management using Queries

UNIT I:

Data Warehousing Concepts: Data Warehouse Architectures, **Logical Design in Data Warehouses:** Logical Versus Physical Design in Data Warehouses, Data Warehousing Schemas, Data Warehousing Objects, **Physical Design in Data Warehouses:** Physical Design, Data Segment Compression, Integrity Constraints, Indexes and Partitioned Indexes, Materialized Views, Dimensions

UNIT II:

Hardware and I/O Considerations in Data Warehouses: Overview of Hardware and I/O Considerations in Data Warehouses, Automatic Striping, Manual Striping, Local and Global Striping, Analyzing Striping, Striping Goals, RAID Configurations, Striping, Mirroring, and Media Recovery, RAID 5, The Importance of Specific Analysis, **Parallelism and Partitioning in Data Warehouses:** Granules of Parallelism, Block Range Granules, Partition Granules, Partitioning Design Considerations, Types of Partitioning, Partitioning Methods, Performance Issues for Range, List, Hash, and Composite Partitioning, Partitioning and Data Segment Compression, Data Segment Compression and Bitmap Indexes, Partition Pruning, Avoiding I/O Bottlenecks, Partition-Wise Joins, Full Partition-Wise Joins, Miscellaneous Partition Operations, **Indexes:** Bitmap Indexes, Benefits for Data Warehousing Applications, Cardinality, Bitmap Join Indexes, Bitmap Join Index Restrictions, B-tree Indexes, Local Indexes Versus Global Indexes

UNIT III:

Integrity Constraints: Overview of Constraint States, Typical Data Warehouse Integrity Constraints, UNIQUE Constraints in a Data Warehouse, FOREIGN KEY Constraints in a Data Warehouse, RELY Constraints, Integrity Constraints and Parallelism, Integrity Constraints and Partitioning, **Materialized Views:** Creating, Registering Existing Materialized Views, Partitioning Materialized Views, Materialized Views in OLAP Environments, Choosing Indexes for Materialized Views, Invalidating Materialized Views Security Issues with Materialized Views, Altering Materialized Views, Dropping Materialized Views, Analyzing Materialized View Capabilities, **Dimensions:** Creating Dimensions, Viewing Dimensions, Using Dimensions with Constraints, Validating Dimensions, Altering Dimensions, Deleting Dimensions, Using the Dimension Wizard, **Overview of Extraction, Transformation, and Loading:** Overview of ETL, ETL Tools

UNIT IV:

Managing the Warehouse Environment: Overview of Extraction, Transformation and Loading, Extraction in Data Warehouses Transportation in Data Warehouses, Loading and Transformation, Maintaining the Data Warehouse, Change Data Capture, Summary Advisor, **Loading and Transformation:** Overview of Loading and Transformation in Data Warehouses, Loading Mechanisms, Transformation Mechanisms, Loading and Transformation Scenarios. **Maintaining the Data Warehouse:** Using Partitioning to Improve Data Warehouse Refresh, Optimizing DML Operations During Refresh, Refreshing Materialized Views, Using Materialized Views with Partitioned Tables, **Change Data Capture:** About Change Data Capture, Installation and Implementation, Security, Columns in a Change Table, Change Data Capture Views, Synchronous Mode of Data Capture, Publishing Change Data, Managing Change Tables and Subscriptions, Subscribing to Change Data, Export and Import Considerations

UNIT V:

Summary Advisor: Overview of the Summary Advisor in the DBMS_OLAP Package, Using the Summary Advisor, Estimating Materialized View Size, Is a Materialized View Being Used Summary Advisor Wizard, **Warehouse Performance:** Schema Modeling Techniques, SQL for Aggregation in Data Warehouses, SQL for Analysis in Data Warehouses, OLAP and Data Mining, Using Parallel Execution, Query Rewrite, **SQL for Aggregation in Data Warehouses:** Overview of SQL for Aggregation in Data Warehouses, ROLLUP Extension to GROUP BY, CUBE Extension to GROUP BY, GROUPING Functions, GROUPING SETS Expression, Composite Columns, Concatenated Groupings, Considerations when Using Aggregation, Computation Using the WITH Clause

REFERENCES:

1. Kimball, Reeves Ross, Thornthwaite, The Data Warehouse Lifecycle Toolkit, John Wiley & Sons, 1998.
2. Jiawei Han and MichelineKamber, Data Mining Concepts and Techniques, Elsevier Second edition.
3. Arun K Pujari, Data Mining Techniques, University Press, Tenth edition 2006, ISBN 81 7371 380 4
4. *Oracle9i Data Warehousing Guide Release 2 (9.2) Part Number A96520-01* by Oracle Press.

Lab Exercise: CSC424 Practical based on CSC423

At least two experiments should carried out on each unit.

Subject	CSC425	Subject Title	Geographical Information Technology
Reference no			
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To provide the mechanics for representation and analysis of remotely sensed data.

Prerequisite:

UNIT I:

GIT: A CONCEPTUAL FRAMEWORK Introduction to GIT: Earth-A Unique Planet, Socio-Economic Challenges, Operation, Administration and Maintenance, Environmental and Natural Resource Management, **History and Evolution:** Ancient Period, Modern Period, Development of Computers, Development of

Remote Sensing, Indian Space Research, **Surveying and Mapping:** Measuring Techniques, Distance and Angle Measurements, Theodolites, Total Station, Data Accuracy and Precision, **Global Positioning System:** How GPS Works, Triangulation from Satellites, Satellite Signals, Code Measurement, Common Errors,, Differential Global Positioning System (DGPS), GPS Receivers,

UNIT II:

Projections and Coordinate Systems: Coordinates, Geographic Reference, Datum, Projection, Types of Map Projection, Cylindrical Projection, Conic Projections, Azimuthal Projections, **Data Diversity and Standards:** Modeling the Spatial Phenomena, Modeling Spatial Features, From Conceptualization to Implementation, Spatial Registration, Metadata, Data Standards, **Maps and Themes:** Map Symbols, Colour, Map Layout, Text, Thematic Representation of Data Maps, **GEOGRAPHIC INFORMATION SYSTEM: AN INSIGHT- Fundamentals of GIS:** GIS Database, The Real World Vs. GIS, Data Model, **GIS Data Models:** Vector Model, Digital Coding in GIS, Spaghetti Model, Topology Model, Raster Model, Advanced Models, GIS Processes,

UNIT III:

Data Quality: GIS Data Quality, Positional accuracy, Attribute Accuracy, Logical Consistency, Resolution/Precision, Completeness, Old Maps, Map Scales, Data Representation Format, Aerial Coverage, Accessibility, **Database Management System:** Database Fundamentals, Data Organization in the Computer, File-Based Systems, Databases and the Relational Model, File-Based Systems, Database Systems, Three-Level Architecture of Databases, Mappings Between Levels, Relational Data Structure, Characteristics of Relations, Entity and Entity Type, Relationship and Relationship Types, Relational Database Design Methodology, Creating the External Design, Creating the Conceptual Design, Creating the Internal Design, Structured Query Language (SQL), Spatial Database, **Hardware and Software:** ERDAS, Autocad Map, Planning Phase, Analysis Phase, Implementation Phase, Critical Success Factors for GIS, **Spatial Analysis:** Overlay Analysis of Raster Data, Overlay Analysis of Vector Data, Reclassification and Rebuilding, Shape and Measurement Analysis, Surface Analysis, Surface Models, Grid and TIN Data Structures,

UNIT IV:

GIS and the Internet: Annexure: GIS: An Analytical Case Study, **REMOTE SENSING General Background of Remote Sensing, Techniques of Remote Sensing:** Principle of Remote Sensing, Interaction of Earth Surface Features with EMR, Interactions with the Atmosphere, Atmospheric Windows, Spectral Characteristics of Water, Soil, Rocks and Vegetation Cover, Thermal Remote Sensing, **Remote Sensing Platforms and Sensors:** Across-Track Scanning (Whiskbroom), Along-Track Scanning (Pushbroom), False Colour Composite, Landsat Multispectral Scanner and the Matic Mapper, Return Beam Vidicon Camera (RBV), Multispectral Scanner (MSS), Thematic Mapper (TM), Spot, IRS-Series, Sensors in Microwave Region, SeasatSar, High Resolution Satellites,

UNIT V:

Digital Image Processing: What is Digital Image Processing, Why Digital Image Processing, Image Rectification, Image Enhancement, Digital Data Formats, **Aerial Photographs:** Process of Aerial Photography, Types of Aerial Photographs, Photo Indexing, Mosaics, Photo Scale, Stereoscope, Relief (Radial) Displacement, Vertical Exaggeration, Parallax, Some Terms Associated with Aerial Photograph, **Image Interpretation:** Image Elements or Photo-Recognition Elements, Terrain Elements, Process of Interpretation, Applications of Remote Sensing

Books:

1. An Introduction To Geographic Information Technology, SujitChoudhary, IK International
2. Fundamental Of Remote Sensing, George Joseph, Universities Press

UNIT V:

The Law and the Use of Biometrics.- Biometric System Security.- Spoof Detection Schemes.- Linkages between Biometrics and Forensic Science.- Biometrics in Government Sector.- Biometrics in the Commercial Sector.- Biometric Standards.- Biometrics Databases.- Index.

Text Book

1. Handbook of Biometrics, Jain, Anil K; Flynn, Patrick; Ross, Arun A. (Eds.), 2008, Springer, ISBN 978-0-387-71040-2

Lab Exercise: CSC428 Practical based on CSC427

At least two experiments should be carried out on each unit.

Subject Reference no	CSC429	Subject Title	Mobile Computing
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To study and provide mechanism of wireless computing.

Prerequisite: Student must aware with computer networking, computer communication basics.

UNIT I:

Mobile Communications: An Overview: Mobile Communication, Mobile Computing, Mobile Computing Architecture, Mobile Devices, Mobile System Networks, Data Dissemination, Mobility Management, Security **Mobile Devices and Systems:** Mobile Phones, Digital Music Players, Handheld Pocket Computers, Handheld Devices: Operating Systems, Smart Systems, Limitations of Mobile Devices, Automotive Systems **GSM and Similar Architectures:** GSM-Services and System, Architecture, Radio Interfaces, Protocols, Localization, Calling Handover, Security, New Data Services, General Packet Radio Service, High-speed Circuit Switched Data, DECT

UNIT II:

Wireless Medium Access Control and CDMA-based Communication: Medium Access Control, Introduction to CDMA-based Systems, Spread Spectrum in CDMA Systems, Coding Methods in CDMA, IS-95 cdmaOne System, IMT-2000, i-mode, OFDM, **Mobile IP Network Layer:** IP and Mobile IP Network Layers, Packet Delivery and Handover Management, Location Management, Registration, Tunnelling and Encapsulation Route Optimization, Dynamic Host Configuration Protocol, Mobile Transport Layer, Conventional TCP/IP Transport, Layer Protocols, Indirect TCP, Snooping TCP, Mobile TCP, Other Methods of TCP-layer Transmission for Mobile Networks, TCP Over 2.5G/3G Mobile Networks,

UNIT III:

Databases: Database Hoarding Techniques, Data Caching, Client-Server Computing and Adaptation, Transactional Models, Query Processing, Data Recovery Process, Issues relating to Quality of Service, **Data Dissemination and Broadcasting Systems:** Communication Asymmetry, Classification of Data-Delivery Mechanisms, Data Dissemination Broadcast Models, Selective Tuning and Indexing Techniques, Digital Audio Broadcasting, Digital Video Broadcasting, **Data Synchronization in Mobile Computing Systems:** Synchronization, Synchronization Software for Mobile Devices, Synchronization Protocols, SyncML Synchronization Language for Mobile Computing, Sync4j (Funambol), Synchronized Multimedia

Markup Language (SMIL),

UNIT IV:

Mobile Devices-Server and Management: Mobile Agent, Application Server, Gateways, Portals, Service Discovery, Device Management, Mobile File Systems, Security, **Mobile Ad-hoc and Sensor Networks:** Introduction to Mobile Ad-hoc Network, MANET, Wireless Sensor Networks, Applications **Wireless LAN, Mobile Internet Connectivity, and Personal Area Network:** Wireless LAN (WiFi) Architecture and Protocol Layers, WAP 1.1 and WAP 2.0, Architectures, XHTML-MP (Extensible Hypertext Markup Language Mobile Profile), Bluetooth-enabled Devices Network, Layers in Bluetooth Protocol, Security in Bluetooth Protocol, IrDA, ZigBee

UNIT V:

Mobile Application Languages-XML, Java, J2ME, and JavaCard: Introduction, XML, JAVA, Java 2 Micro Edition (J2ME), JavaCard, **Mobile Operating Systems :** Operating System PalmOS, Windows CE, Symbian OS, Linux for Mobile Devices 530

Books:

1. Mobile Computing, Raj Kamal, Oxford University Press

References:

1. Mobile Communications Jochen Schiller, Addison-Wesley.
2. Handbook of Wireless Networks and Mobile Computing, Stojmenovic and Cacute, Wiley,
3. Mobile Computing Principles: Designing and Developing Mobile
4. Applications with UML and XML, Reza Behravanfar, Cambridge University Press,

Lab Exercise: CSC430 Practical based on CSC429

At least two experiments should carried out on each unit.

Semester-IV:

Subject Reference no	CSC505	Subject Title	Pattern Recognition
No of Credits	4 Theory, 2 Practical	Assignment/Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To provide the general mechanism and design of Automatic system recognition.

Prerequisite: Student must have knowledge of Digital image processing, neural networks, function analysis.

UNIT I:

Introduction to Pattern Recognition, Bayesian decision theory: Classifiers, Discriminant functions, Decision surfaces, Normal density and Discriminant functions, discrete features

UNIT II:

Maximum Likelihood and Bayesian Estimation: Parameter estimation methods, Maximum-Likelihood estimation, Bayesian estimation, Bayesian Parameter Estimation, Gaussian Case, General Theory, Problem of Dimensionality, Accuracy, Dimension, and Training Sample Size, Computational

Complexity and Overfitting, Component Analysis and Discriminants, Principal Component Analysis (PCA), Expectation Maximization (EM), Hidden Markov models for sequential pattern classification, First-Order Markov Models, First-Order Hidden Markov Models, Hidden Markov Model Computation, Evaluation, Decoding and Learning.

UNIT III:

Non-parametric : Density estimation, Parzen-window method, Probabilistic Neural Networks (PNNs), K-Nearest Neighbour, Estimation and rules, Nearest Neighbour and Fuzzy Classification. **Linear Discriminant function based classifiers:** Perceptron, Linear Programming Algorithm, Support Vector Machines (SVM)

UNIT IV:

Multilayer Neural Network: Feed Forward Classification, Back Propagation Algorithm, Error Surface **Stochastic Data:** Stochastic search, Boltzmann Learning, Evolutionary method and Genetic Programming.

UNIT V:

Non-metric methods for pattern classification: Decision trees, Classification and Regression Trees (CART) and other tree methods, String recognition and Rule Based method. **Unsupervised learning and clustering :** Mixture Densities and Identifiability, Maximum Likelihood estimation, Application Normal Mixture, Unsupervised Bayesian Learning, Data Description and Clustering, Hierarchical Clustering, Graph theory method, Problem of validity, Component analysis

Books Recommended:

1. R.O.Duda, P.E.Hart and D.G.Stork, "Pattern Classification 2nd Edition", John Wiley, 2007
2. Christopher M. Bishop, "Neural Network for Pattern Recognition", Oxford Ohio Press.

References:

1. E. Gose, R. Johansonbargh, "Pattern Recognition and Image Analysis", PHI
2. EthenAlpaydin, "Introduction to Machine Learning", PHI
3. SatishKumar, "Neural Network- A Classroom Approach", McGraw Hill.
4. Dr. Rao&Rao, Neural Network & Fuzzy Logic
5. S.Theodoridis and K.Koutroumbas, "Pattern Recognition", 4th Ed., Academic Press,
6. C.M.Bishop, "Pattern Recognition and Machine Learning", Springer, 2006

Web:1. <http://www.rii.ricoh.com/~stork/DHS.html>

Lab Exercise: CSC555 Practical based on CSC505

At least two experiments should be carried out on each unit.

Elective-II

Subject Reference no	CSC-431	Subject Title	Theoretical Computer Science
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs. /Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective:To understand syntax and semantics of programming languages to build system software.

Prerequisite: Student must aware with discrete mathematical structures, set theory, set operations.

UNIT-I:

Introduction: Strings, Alphabets & Languages, Graphs & Trees, Set Notations, Relations.

UNIT-II:

Finite Automata & Regular Expressions: Definition, Description, Transition Systems, Transition Function, DFA, NFA, Finite Automata with ϵ -Moves, Regular Expressions, Convert Regular Expression into FA, Construct FA from Regular Expression, Applications of Finite Automata.

UNIT-III:

Regular Expression: Pumping Lemma for Regular Sets, Applications of Pumping Lemma, Closure properties of Regular Sets, Decision Algorithm for regular Sets.

UNIT-IV:

Context Free Grammars: Introduction to Context free grammars, Derivations Trees, Simplification of Context free grammar, Useless Symbols, ϵ Production, Unit Production, Normal forms for CFG, Chomsky Normal Form (CNF), Greibach Normal Form (GNF).

UNIT-V:

Pushdown Automata: Informal Description, Definitions, Pushdown Automata & Context free languages.
Turing Machines: Basics, Turing Machine Model, Representation of Turing Machines, Language Acceptability by Turing Machines.

Text Books:

- 1) Theory of Computer Science, By-K.L.P. Mishra, N. Chandrasekaran.
- 2) Introduction to Computer Theory, By-Daniel A. Cohen.

References:

- 1) Introduction to Automata theory, Languages & Computations, By-John E. Hopcraft, Jeffery D. Ullman.
- 2) Theory of Computer Science, By-Dr. Shirish S. Sane.

Lab Exercise: CSC432 Practical based on CSC431

At least two experiments should be carried out on each unit.

Subject Reference no	CSC433	Subject Title	Decision Support System and Intelligent system
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To design and implement the logic based frameworks for Decision Support and Intelligent systems.

Prerequisite:

UNIT I:

Decision Support and Business Intelligence- Decision Support Systems and Business Intelligence: Opening Vignette: Toyota Uses Business Intelligence to Excel, Changing Business Environments and Computerized Decision Support, Managerial Decision Making, Computerized Support for Decision Making, An Early Framework for Computerized Decision Support, The Concept of Decision Support Systems (DSS), A Framework for Business Intelligence (BI), A Work System View of Decision Support, The Major Tools and Techniques of Managerial Decision Support, Implementing Computer-Based Managerial Decision Support Systems, **Computerized Decision Support, Decision Making, Systems, Modeling, and Support:** Opening Vignette: Decision Making at the U.S. Federal Reserve, Decision Making: Introduction and Definitions, Models, Phases of the Decision Making Process, Decision Making: The Intelligence Phase, Decision Making: The Design Phase, Decision Making: The Choice Phase, Decision Making: The Implementation Phase, How Decisions are Supported, **Decision Support Systems Concepts, Methodologies, and Technologies: An Overview:** Opening Vignette: Decision Support System Cures for Healthcare, DSS Configurations, DSS Description, DSS Characteristics and Capabilities, Components of DSS, The Data Management Subsystem, The Model Management Subsystem, The User Interface (Dialog) Subsystem, The Knowledge-Based Management Subsystem, The User, DSS Hardware, DSS Classifications

UNIT II:

Modeling and Analysis: Opening Vignette: "Winning Isn't Everything... But Losing Isn't Anything:" Professional Sports Modeling for Decision Making, MSS Modeling, Static and Dynamic Models, Certainty, Uncertainty, and Risk, MSS Modeling with Spreadsheets, Decision Analysis with Decision Tables and Decision Trees, The Structure of Mathematical Models for Decision Support, Mathematical Programming Optimization, Multiple Goals, Sensitivity Analysis, What-IF, and Goal Seeking Problem Solving Search Methods, Simulation, Visual Interactive Simulation, Quantitative Software Packages and Model, Base Management, **Business Intelligence Special Introductory Section: The Essentials of Business Intelligence:** A Preview of the Content of Chapters, The Origins and Drivers of Business Intelligence, The General Process of Intelligence Creation and Use, The Major Characteristics of Business Intelligence, Towards Competitive Intelligence and Advantage, The Typical Data Warehouse and BI User Community, Successful BI Implementation, Structure and Components of BI, Conclusion: Today and Tomorrow **Data Warehousing:** Opening Vignette: Continental Airlines Flies High with Its Real-Time Data Warehouse, Data Warehousing Definitions and Concepts, Data Warehousing Process Overview, Data Warehousing Architectures, Data Integration, and the Extraction, Transformation, and Load (ETL) Process, Data Warehouse Development, Real-Time Data Warehouses, Data Warehouse Administration and Security Issues

UNIT III:

Business Analytics and Data Visualization: Opening Vignette: Lexmark International Improves Operations with BI, The Business Analytics Field-An Overview, Online Analytical Processing (OLAP), Reporting and Queries, Multidimensionality, Advanced Business Analytics, Data Visualization, Geographic Information Systems, Real-Time Business Intelligence, Automated Decision Support, and Competitive Intelligence, Business Analytics and the Web: Web Intelligence and Web Analytics, Usage, Benefits, and Success of Business Analytics **Data, Text, and Web Mining:** Opening Vignette: Highmark, Inc., Data Mining Concepts and Applications, Data Mining Techniques and Tools, Data Mining Project Process, Text Mining, Web Mining **Neural Networks for Data Mining:** Opening Vignette: Using Neural Networks to Predict Beer Flavors From Chemical Analysis, Basic Concepts of Neural Networks, Learning in Artificial Neural Networks, Developing Neural Network Systems, A Sample Neural Network Project, Other Neural Networks Paradigms, Applications of Neural Networks, A Neural Network Software Demonstration **Business Performance Management:** Opening Vignette: Cisco and the Virtual Close,

Business Performance Management Overview, Strategize: Where Do We Want to Go? Plan: How Do We Get There? Monitor: How are We Doing? Act and Adjust: What Do We Need to Do Differently? Performance Measurement, Bpm Methodologies, Bpm Architecture and Applications, Performance Dashboards, Business Activity Monitoring (BAM)

UNIT IV:

Collaboration, Communication, Group Support Systems, and Knowledge Management-Collaborative Computing-Supported Technologies and Group Support Systems: Opening Vignette: Collaborative Design at Boein-Rocketdyne, Making Decisions in Groups: Characteristics, Process, Benefits, and Dysfunctions, Supporting Groupwork with Computerized Systems, Tools for Indirect Support of Decision Making, Integrated Groupware Suites, Direct Computerized Support for Decision Making: From GDSS to GSS, Products and Tools for GDSS/GSS and Successful, Implementation, Emerging Collaboration Support Tools: From VoIP to Wikis, Collaborative Efforts in Planning, Design, and the Project Management, Creativity, Idea Generation and Computerized Support **Knowledge Management:** Opening Vignette: Simens Knows What It Knows through Knowledge Management, Introduction to Knowledge Management, Organizational Learning and Transformation, Knowledge Management Activities, Approached to Knowledge Management, Information Technology in Knowledge Management, Knowledge Management Systems Implementation, Roles of People in Knowledge Management, Ensuring the Success of Knowledge Management Efforts, **Intelligent Systems-Artificial Intelligence and Expert Systems:** Opening Vignette: Cigna Uses Business Rules to Support Treatment Request Approval, Concepts and Definition of Artificial Intelligence, The Artificial Intelligence Fields, Basic Concepts of Expert Systems, Applications of Expert Systems, Structure of Expert Systems, How Expert Systems Work- Inference Mechanisms, Problem Areas Suitable for Expert Systems, Development of Expert Systems, Benefits, Limitations and Success Factors of Expert Systems, Expert Systems on the Web

UNIT V:

Advanced Intelligent Systems: Opening Vignette: Improving Urban Infrastructure Management in the City of Verдум, Machine Learning Techniques, Case-based Reasoning, Genetic Algorithms Fundamentals, Developing Genetic Algorithm Applications, Fuzzy Logic Fundamentals, Natural Language Processing, Voice Technologies, Developing Integrated Advanced System. **Intelligent Systems over the Internet:** Opening Vignette: NetFlix Gains High Customer Satisfaction from DVD Recommendation, Web-Based Intelligent Systems, Intelligent Agents: An Overview, Characteristics of Intelligent Agents, Why Use Intelligent Agents, Classification and Types of Intelligent Agents, Internet-Based Software Agents, DSS Agents and Multi-agents, Semantic Web: Representing Knowledge for Intelligent Agents, Web-Cased Recommendation Systems, Managerial Issues of Intelligent Agents **Implementing Decision Support Systems- Systems Development and Acquisition:** Opening Vignette: Osram Sylvania Thinks Small, Strategizes Big- Develops the InfoNet HR Portal System, What Types of Support Systems Should We Build? The Landscape and Framework of MSS Applications Development, Development Options for MSS Applications, Prototyping: A Practical MSS Development Methodology, Criteria For Selecting a Development Approach, Third-Party Providers of MSS Software Packages and Suites, Connecting to Databases and Other Enterprise Systems, Rise of Web Services, XML, and Service-Oriented Architecture, End-user Developed MSS, Vendor and Software Selection and Management, Putting the MSS Together and Implementation Issues **Integration, Impacts, and the Future of Management Support Systems:** Opening Vignette: Elite-Care Supported by Intelligent Systems, Systems Integration: An Overview, Types of MSS Integration, Integration with Enterprise Systems and Knowledge Management, The Impacts of MSS: An Overview, MSS Impacts on Organizations, MSS Impacts on Individuals, Automating Decision Making and the Manager's Job, Issues of Legality, Privacy, and Ethics, Intelligent and Automated Systems and Employment Levels, Other Societal Impacts and the Digital Divide, The Future of Management Support Systems

Books:

1. Decision Support and Business Intelligence Systems

References:

1. Decision Support Systems, George M. Marakas, 2nd Edition, Pearson Education
2. Decision Support Systems, Janakiraman V.S. and Sarukesi. K., Prentice Hall of India
3. Decision Support System and Management, Lofti, McGraw Hill Inc., International Edition, New Delhi.

Lab Exercise: CSC434 Practical based on CSC433

At least two experiments should be carried out on each unit.

Subject Reference no	CSC435	Subject Title	Data Mining
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective:

To develop an understanding of the strengths and limitations of popular data mining techniques and to be able to identify promising business applications of data mining. Students will be able to actively manage and participate in data mining projects executed by consultants or specialists in data mining. A useful take away from the course will be the ability to perform powerful data analysis.

Prerequisite: Student must aware with Database management systems

UNIT I:

Introduction to Data Mining: Why Mine Data? Commercial Viewpoint, Scientific Viewpoint Motivation, Definitions, Origins of Data Mining, Data Mining Tasks, Classification, Clustering, Association Rule Discovery, Sequential Pattern Discovery, Regression, Challenges of Data Mining, **Data Mining-Data:** What is Data? Attribute Values, Measurement of Length, Types and Properties of Attributes, Discrete and Continuous Attributes, Types of data sets, Data Quality, Data Preprocessing, Aggregation, Sampling, Dimensionality Reduction, Feature subset selection, Feature creation, Discretization and Binarization, Attribute Transformation, Density.

UNIT II:

Data Mining: Exploring Data: Data Exploration Techniques, Summary Statistics, Frequency and Mode, Percentiles, Measures of Location: Mean and Median, Measures of Spread: Range and Variance, Visualization, Representation, Arrangement, Selection, Visualization Techniques: Histograms, Box Plots, Scatter Plots, Contour Plots, Matrix Plots, Parallel Coordinates, Other Visualization Techniques, OLAP : OLAP Operations, **Data Mining Classification: Bask Concepts, Decision Trees, and Model Evaluation:** Classification: Definition, Classification Techniques, Tree Induction, Measures of Node Impurity, Practical Issues of Classification, ROC curve, Confidence Interval for Accuracy, Comparing Performance of Two Models, Comparing Performance of Two Algorithms.

UNIT III:

Data Mining Classification: Alternative Techniques: Rule-Based Classifier, Rule Ordering Schemes, Building Classification Rules, Instance-Based Classifiers, Nearest Neighbor Classifiers, Bayes Classifier, Naive Bayes Classifier, Artificial Neural Networks (ANN), Support Vector Machines.

UNIT IV:

Data Mining Association Analysis: Basic Concepts and Algorithms: Association Rule Mining, Frequent Itemset Generation, Association Rule Discovery : Hash tree, Factors Affecting Complexity, Maximal Frequent Horrible Closed Itemset, Alternative Methods for Frequent Itemset Generation, FP-growth Algorithm, Tree Projection, Rule Generation, Pattern Evaluation, Statistical Independence, Properties of A Good Measure, Support-based Pruning, Subjective Interestingness Measure.

UNIT V:

Data Mining Cluster Analysis: Basic Concepts and Algorithms: Applications of Cluster Analysis, Types of Clusters, **Clustering Algorithms:** K-means and its variants, Hierarchical clustering, Density-based clustering, Graph-Based Clustering, Limitations of Current Merging Schemes, Characteristics of Spatial Data Sets, Shared Near Neighbor Approach, ROCK (RObust Clustering using linKs), Jarvis-Patrick Clustering, SNN Clustering Algorithm, **Data Mining Anomaly Detection:** Anomaly/Outlier Detection, Importance, Anomaly Detection Schemes, Density-based: LOF approach

REFERENCES:

1. Introduction to Data Mining by Tan, Steinbach, Kumar.
2. Data Mining: Concepts and Techniques by Jiawei Han, MichelineKamber, Morgan Kaufmann Publishers.
3. Data Mining: Practical Machine Learning Tools and Techniques by Ian H. Witten and Eibe Frank, Morgan Kaufmann, 2nd Edition (2005).
4. Principles of Data Mining: David Hand, HeikkiMannila&Padhraic Smyth, PHP Publication.

Lab Exercise: CSC436 Practical based on CSC435

At least two experiments should be carried out on each unit.

Subject Reference no	CSC437	Subject Title	Cryptography and Network Security
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To study the main security threats of communication networks. To establish certain security mechanisms that avoids or considerably diminishes these threats. To introduce modern cryptography techniques. To study specific cryptography techniques that guarantee security in certain applications (e-mail, e-commerce, web access, etc.). To introduce the most widely known standards for each case.

Prerequisite: Student must aware of data communication principals, computer networks , communication basics and concept of information theory is mandatory.

UNIT I:

Introduction: Security Trends, the OSI Security Architecture, Security Attacks, Security Services, Security Mechanisms, A model for network security.

UNIT II:

Symmetric Ciphers: Symmetric Cipher Model, Substitution Techniques, Transposition techniques, Steganography, Block Cipher Principles, The data Encryption Standard, Block Cipher Design Principles.

UNIT III:

Public-Key Encryption And Hash Functions: Introduction to Number Theory, Public-Key Cryptography and RSA, Key Management; Other Public –Key Cryptosystems, Message Authentication and Hash Functions, Digital Signatures and Authentication Protocols.

UNIT IV:

Network Security Practice And System Security: Electric Mail Security, IP Security, Web Security

UNIT V:

System Security: Intruders, Malicious Software, Firewalls.

Practical:

- A) Seminar Presentation: In this a group of 2-3 students is required to read some new materials that are not covered in the class, and then present it in the class| each presentation lasts 20 minutes, including questions. Student also has to write a formal report (about 15 pages) of your presentation material and hand in before the final exam. The total number of presentation projects allowed in this course is 3- the topics will be given by instructor, and students choose topics based on First Coming First Service (FCFS).
- B) Programming project: In this project, each student is required to program some existing protocols. Your program has to run correctly to be graded. You have to hand in the documentation of your programming in addition to the code itself.

Text Book:

1. Cryptography and Network Security: Principles and Practice; Fourth or Fifth Edition. By William Stallings, Prentice Hall, Hardcover.
2. Cryptography: Theory and Practice by Douglas R. Stinson, CRC press, hardcover, Published March, 1995. ISBN 0-8493-8521-0.
3. Network Security Essentials: Applications and Standards by William Stallings. Prentice Hall, Hardcover, Published November 1999, 366 pages, ISBN 0130160938.

Lab Exercise: CSC438 Practical based on CSC437

At least two experiments should be carried out on each unit.

Subject Reference no	CSC439	Subject Title	Introduction to MEMS Pro+
No of Credits	4 Theory, 2 Practical	Assignment/ Sectionals (Internal)	20%
Total Contact Hrs/Week	4 Theory, 4 Practical	External (Semester Exam)	80%

Objective: To learn the MEMS Technology for Nanotechnology applications.

Prerequisite:

UNIT-I:

Introduction: history of MEMS, market for MEMS, overview of MEMS processes properties of silicon, a sample MEMS process, **Basics of Microtechnology:** definitions and terminology, a sample process, lithography and etching, **MEMS Biosensors:** Bio Flow Sensors, MEMS Images. Introduction to MEMS Pro design software. **Micromachining:** subtractive processes (wet and dry etching), additive processes (evaporation, sputtering, epitaxial growth). **Fundamental Devices and Processes:** basic mechanics and electrostatics for MEMS, parallel plate actuators, pull-in point, comb drives.

UNIT-II:

Fundamental Devices and Processes: more electrostatic actuators; MEMS foundries, Cronos MUMPs (multi user MEMS process). **MUMPs Multi User MEMS Process:** JDS Uniphase MUMPs processing sequence and design rules. **MUMPs and SUMMIT:** design rules; applications; micro hinges and deployment actuators.

UNIT-III:

CMOS MEMS: CMOS foundry processes, integrated IC/MEMS, MEMS postprocessing, applications. Cleanroom lab techniques: clean rooms, gowning procedures; safety, fire, toxicity; acids and bases; photolithography. **MicroOptoElectroMechanical Systems (MOEMS):** micro scanners, digital mirror display, retinal scanning display. Grating light valve, corner cube retroreflector, optical switches, other micro-optical devices.

UNIT-IV:

Thermal Transducers: bimorphs, "heatuators", cilia arrays, Piezoresistivity; **Scanning Probe Microscopy:** scanning tunneling microscope (STM), atomic force microscope (AFM), Scaling Laws **Wireless MEMS:** mechanical and electrical resonators, Q-factor, switches, filters. **Power for MEMS:** thin film batteries, micro fuel cells, energy fields.

UNIT-V:

MEMS Packaging and Assembly: microassembly: serial and parallel, deterministic and stochastic; **Microgrippers:** HexSil process; packaging techniques, **The Future of MEMS:** bioMEMS - neural implants, gene chips, diagnostic chips; MEMS in space; mechanical computers; invisible and ubiquitous computing.

Text Book

1. HSU, TAI RAN, MEMS AND MICROSYSTEMS Design And Manufacture, Tata McGraw-Hill,2002.
2. Mems and Moems Technology and Applications,Rai-Choudhury, Prosenjit; SPIE 2000.
3. [Http://jntu.ac.in/dap/syl.html](http://jntu.ac.in/dap/syl.html)

Lab Exercise: CSC440 Practical based on CSC439

At least two experiments should be carried out on each unit.

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