

**POST GRADUATE TEACHING DEPARTMENTS OF ECONOMICS
GONDWANA UNIVERSITY, GADCHIROLI**

Master of Arts(M.A.)Applied Economics

Syllabus

Session 2020-21 onwards

Submitted By

Board of Studies in Economics

Gondwana University, Gadchiroli

Board of Studies in Economics
Syllabus for Master of Arts (M.A.) Applied Economics
Semester – I,II,III,IV Session 2020-21 onwards
Syllabus Committee

S.N.	Name of Committee member	Designation
1	Dr.Shriram S. Kawale	Dean of Humanities
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M.A. Applied Economics

Regulations for the Masters Programme in Economics

1.1 Eligibility : For admission to the M.A. in Applied Economics programme shall Be Bachelor's Degree in Economics with 45% in Part III (Economic and subsidiary) or 50% with [B.Com](#), BCCA, B.B.M or any Degree with Economics as one of the subject or B.Sc. Mathematics or Statistics with 55% marks.

1.2. Candidates who have appeared in the Final Year Degree Examination but awaiting results are permitted to seek provisional admission to the course. Such candidates required to provide evidence of the minimum academic qualification prescribed on or before their enrolment to the first semester M.A, in Applied Economics examination, If they fail to do so they shall be disqualify from the admission.

1.3 Admission to the M.A. in Applied Economics shall be based on the scores obtained by the candidate in the CAT conducted by the University. The questions for the CAT are of multiple choices from Economics (50%), mathematics and Statistics (30%) remaining general awareness.

1.4 There shall be 80 seats each in First and Second year. The medium of instructions will be in English. However, students can appear for examination in English or Marathi or Hindi medium.

1.5 Reservation rules applicable to nonprofessional courses in Maharashtra as laid down by the State Government from time are applicable in the case of admission to the degree.

1.6 Payment of fees : Fees for the programme must be paid as prescribed by the University.

1.7 Re-admission to the programme shall be permitted only if the candidate satisfies the conditions laid down by the University and with permission of the Registrar.

1.8 Course Study : The course work for the M.A. in Applied Economics degree shall be in accordance with the schemes of examination and syllabus prescribed. The course shall extend over a period of two academic years comprising of four semesters. Each semester shall extend over a period of 16-18 weeks.

1.9 The minimum attendance required by the candidate shall be 75 percentage of the total number of working days.

1.10 Scheme of Studies : A minimum of 20 (Twenty) credits shall be offered in each semester. In the fourth semester there shall be a project report and comprehensive viva voce. The Project Report is equivalent to 1 (four) credits. The Viva Voce examination is based on a presentation made by candidate in the department with an external expert.

**POST GRADUATE TEACHING DEPARTMENT
GONDWANA UNIVERSITY, GADCHIROLI**

Master of Arts(M.A.)Applied Economics Syllabus

SEMESTER – I

Course code	Title of Paper	Core Elective	Credits	Continuous evaluation	External Evaluation	Total Marks
ECO2101	Advanced Microeconomics-I	C	4	20	80	100
ECO2102	Advanced Macroeconomics-I	C	4	20	80	100
ECO2103	Optional - I	E	4	20	80	100
ECO2104	Optional - II	E	4	20	80	100

Optional - I

2103.1 : Statistics for Economics – I

2103.2 : Indian Economic Policy I

2103.3 : Environmental Economics

2103.4 : Trade Cycle

2103.5 : Regional Economics

2103.6 : Demography

Optional – II

2104.1 : Mathematical Economics-I

2104.2 : Industrial Economics – I

2104.3 : Public Economics - I

2104.4 : Urban and Infrastructure Economics- I

2104.5 : Rural and Agricultural Economics- I

2104.6 : Community Development and Planning

SEMESTER –II

Course code	Title of Paper	Core Elective	Credits	Continuous evaluation	External Evaluation	Total Marks
ECO2201	Advanced Microeconomics-II	C	4	20	80	100
ECO2202	Advanced Macroeconomics-II	C	4	20	80	100
ECO2203	Optional - III	E	4	20	80	100
ECO2204	Optional - IV	E	4	20	80	100

Optional - III

- 2203.1 : Statistics for Economics - II
 2203.2 : Indian Economic Policy II
 2203.3 : Human Development
 2203.4 : Urban Economics
 2203.5 : Rural Economy and Social Change
 2203.6 : Tribal Economics

Optional - IV

- 2204.1 : Mathematical Economics –II
 2204.2 : Industrial Economics – II
 2204.3 : Public Economics-II
 2204.4 : Urban and Infrastructure Economics- II
 2204.5 : Rural and Agricultural Economics- II
 2204.6 : Economics of Natural Resources

SEMESTER –III

Course code	Title of Paper	Core/ Elective	Credits	Continuous evaluation	External Evaluation	Total Marks
ECO2301	International Trade	C	4	20	80	100
ECO2302	Growth and Development - I	C	4	20	80	100
ECO2303	Optional - V	E	4	20	80	100
ECO2304	Optional - VI	E	4	20	80	100

Optional - V

- 2303.1 : Financial Institutions & Markets-I
 2303.2 : Labour Economics -I
 2303.3 : Econometrics - I
 2303.4 : Poverty and Income Distribution
 2303.5 : World Economy
 2303.6 : Economics of Service Sector

Optional - VI

2304.1 : Economics of Technology and Innovation

2304.2 : Research Methodology-I

2304.3 : Gender Economics

2304.4 : Economics of Insurance

2304.5 : Economics of Social Infrastructure

2304.6 : Monetary Policy in India

SEMESTER –IV

Course code	Title of Paper	Core/ Elective	Credits	Continuous evaluation	External Evaluation	Total Marks
ECO2401	Project Report and Viva Voce	C	4	20	80	100
ECO2402	Growth and Development - II	C	4	20	80	100
ECO2403	Optional - VII	E	4	20	80	100
ECO2404	Optional - VIII	E	4	20	80	100

Optional - VII

2403.1 : Financial Institutions & Markets-II

2403.2 : Labour Economics -II

2403.3 : Econometrics - II

2403.4 : Behavioural and Experimental Economics

2403.5: Energy Economics

2403.6 : History of Modern Economics Analysis

Optional - VIII

2404.1 : Economics of Marketing

2404.2 : Research Methodology-II

2404.3 : Computer Application in Economics

2404.4 : Economics of Governance and Public Policy

2404.5 : Industrial Relations & Social Security

2404.6 : Skill Development and Event Management

POST GRADUATE TEACHING DEPARTMENTS OF ECONOMICS

GONDWANA UNIVERSITY, GADCHIROLI

Master of Arts(M.A.)Applied Economics

PAPER PATTERN

SEMESTER –I,II, III, IV

Time : Three Hours

Max.Marks:80

Note : 1) All questions are compulsory

2) All questions carry equal marks

Que.1) Long Answer (any one) 16

A OR B

Que.2) Long Answer (any one) 16

A OR B

Que.3) Short Answer (any Two) 16

(A) (B) (C) (D)

Que.4) Short Answer (any Two) 16

(A) (B) (C) (D)

Que.5) Very Short Answer (all question are compulsory) 16

(A) (B) (C) (D)

Post Graduate Teaching Department, Gondwana University, Gadchiroli
M.A. Part -I Applied Economics : Semester-I

ECO2101 : Advanced Microeconomics - I

Module 1 : Theory of Demand

Demand-Concept, Law of demand, demand Function determinants of Demand, change in demand and quantity demanded. Market demand function

Supply - meaning, Law of Supply, Supply function, determinants of supply.

Market equilibrium, changes in market equilibrium, Application of Demand Supply analysis.

Consumer Behaviour –Cardinal utility analysis- Law of diminishing Marginal Utility, Equi-marginal Utility, Consumer Equilibrium

Indifference Curve Analysis: Marginal Rate of Substitution, Consumer's Equilibrium,

Indifference Curve Analysis of Demand : Income, Substitution and Price Effects – Hicks-Allen and Slutsky. Bandwagon and Snob Effect

Applications and Uses of Indifference Curves: Subsidies to Consumers: Price Subsidy vs. Lump-sum Income Grant. Rationing and Indifference Curve Analysis. Food Stamp Programme.

Module 2 : Consumer Behaviour and Elasticity of Demand

Revealed Preference Theory of Demand: Preference Hypothesis and logic of Ordering.

Derivation of Law of demand through logical ordering

Individual Behaviour under Uncertainty: Choices Involving Risk: St. Petersburg Paradox and Bernoulli's Hypothesis, Neumann-Morgenstern Method of constructing Utility Index under Risky Situations. Friedman-Savage Hypothesis, Markowitz Hypothesis.

Elasticity of Demand : concept of demand elasticity, types and measurements, determinants and application of elasticity.

Consumer Surplus : Marshall's Measure of Consumer Surplus. Consumer Surplus and Changes in Price. Hicksian Four Concepts of Consumer Surplus, water –diamond paradox, use of consumer surplus in cost benefit analysis.

Module 3 : Theory of Production and Cost

The Theory of Production: Law of Variable Proportions, Production Function: Isoquants, Marginal Rate of Technical Substitution.

Production function with two variable factors - Returns to Scale, Cobb-Douglas - Production Function Optimum Factor Combination -Iso-Cost Line, Least-Cost Combination of Factors, Expansion path.

Cost of Production and Cost Curves : Concepts of Cost, Theory of Short-Run and Long Run Costs, Economies of Scale : Internal and External, modern theory of cost- learning curve-L shaped long run average cost.

Module 4 : Theory of Firm

Market Structure and Revenue Curves: Classification of Market Structures, Concepts of Average, Revenue and Marginal Revenue. Average Revenue and Marginal Revenue Under different market structure, Equilibrium of the Firm. Equilibrium of the Competitive Firm and Industry: Meaning and Conditions of Perfect Competition, Short-Run and Long Run Equilibrium of the

Perfectly Competitive Firm.

Competitive Equilibrium under Differential Cost Conditions, Supply curve of perfectly competitive firm in short run and long run.

Stability of Equilibrium and Cobweb Model, Incompatibility Theory: Kaldor and Sraffa on Incompatibility of Equilibrium with Perfect Competition

Books Recommended :

1. Ahuja H. L., Advanced Economic Theory : Microeconomics Analysis, 13th Edition, S. Chand and Co. Ltd., New Delhi.
2. Baumol, W.J. (1982), Economics Theory and Operations Analysis, Prentice Hall of India, New Delhi.
3. Dewett K. K., Modern Economic Theory, S. Chand & Company Ltd., Revised Edition, 2005.
4. Jhingan M. L., Micro Economic Analysis, Vrinda Publications
5. Koutsoyiannis, A. (1979): Modern Microeconomics, 2nd ed., Macmillan Press, London.
6. Kreps, David M (1990): A Course in Microeconomic Theory, Princeton University Press, Princeton.
7. Sen, A. (1999): Microeconomics: Theory and Applications, Oxford University Press, New Delhi.
8. Stigler, G. (1996): Theory of Price, 4th ed., Prentice Hall of India, New Delhi.
9. Varian, H. (2000): Microeconomic Analysis, W.W. Norton, New York.

Post Graduate Teaching Department, Gondwana University, Gadchiroli M.A. Part -I Applied Economics : Semester-I

ECO2102 : Advanced Macroeconomics - I

Module 1 : National Income and Social Accounts

Circular Flow of Economic Activity : Two Sector Model - Household and Business Sectors - Three Sector Models including Government Transactions - Four Sector Open Economy Model including Foreign Trade Transactions

National Income Accounts : Calculation of National Income : Product Method - Income Method - Expenditure Method, Different concepts of National Income, Importance and difficulties in measurement of National Income, New method of Calculation of GDP in India

National Income and Social Accounts : Social Accounts : Main Features, Types of Social Accounts

Module 2 : Theory of Employment and Consumption Function

Theory of Employment: Classical Views on Full Employment, Keynes theory of Employment, Aggregate Demand and Aggregate Supply curve in Classical and Keynesian views

Consumption Function: Keynes' psychological law of consumption Implication of the law; short run and long-run consumption function, Empirical evidence on consumption function, Income-consumption relationship-absolute income, relative income, life cycle and permanent income hypothesis.

Module 3 : Multiplier and Investment Function

Multiplier : Meaning, Types of Multiplier, Its Working, Reserve Operation, Limitations, Importance, Criticism and Leakages, Balanced Budget Multiplier, Multiplier in developing economy.

Investment Function: Autonomous and Induced Investment, Marginal Efficiency of capital and Investment – short run and long run, Acceleration Principle, Interaction of Multiplier and Accelerator (Leverage effect), Influence of policies on investment.

Module 4 : Supply of Money

Components of money supply : Measurement of money supply, RBI Approach to Money Supply - M1, M2, M3 and L1, L2, L3, Deposit Multiplier, High Powered Money and Money Multiplier and factors determining money supply; budget deficit and supply of Money, Control on Money Supply.

Books Recommended :

Blackhouse, R. and A. Salansi (Eds.) (2000), Macroeconomics and the Real World (2 Vols), Oxford University Press, London.

D'Souza, Errol (2008), Macroeconomics, Pearson Education, Delhi.

Gupta R.D. and Rana A.S. (1998): Post-Keynesian Economics, Kalyani Publishers, Ludhiana.

Heijdra, B.J. and V.P. Fredericck (2001), Foundations of Modern macroeconomics, Oxford University Press, New Delhi.

Jha, R (1991) : Contemporary Macro Economic theory and Policy, Wiley Eastern Ltd.,Jhingan, M.L.(1999) : Macro Economics

Keynes, J.M (1936) : General Theory of Employment, Interest and Money

Mithani D. M., Money, Banking, International trade and public finance, Himalaya Publications

Rakshit, M. (1998), Studies in the Macroeconomics of Developing Countries, Oxford University Press, New Delhi.

Reddy.Y.V. (2000): A Review of Monetary and Financial Sector Reforms in India, UBSPD, New Delhi.

Post Graduate Teaching Department, Gondwana University, Gadchiroli

M.A. Part -I Applied Economics : Semester-I

Optional Paper – I

ECO2103.1 : Statistics for Economics – I

Module 1: Introduction to Statistics, Data Presentation and Indian Statistics

Statistics in Practice- Application- Data, Data Sources, Descriptive Statistics, Statistical Inference

Basic Statistical concepts – Population, Sample, Parameter and Statistics, Variables and Data, Data Measurement levels- Nominal, Ordinal, Interval and Ratio, Computer and Statistical Analysis.

Construction of Frequency Distribution- Classification and Tabulation of Data, Graphs and Charts.

Indian Statistics: CSO, NSSO, Recent Population Census, Agricultural and Industrial Statistics

Module 2: Descriptive Statistics: Numerical Measures

Measures of Central Tendency: - Arithmetic Mean, Median, Mode, Geometric, Harmonic Percentiles and Quartiles

Measure of Variability: Range, Interquartile Range, Mean Deviation, Variance, Standard Deviation, Coefficient of Variation

Measures of shape – Skewness and Kurtosis

Module 3: Correlation and Regression Analysis

Correlation Analysis: Meaning, Importance, Types, Methods of Determining Correlation and Limitations- Karl Pearson's Coefficient of Correlation, Coefficient of Concurrent Deviation, Spearman's Rank Correlation, Coefficient of Correlation by Least Square Method

Regression Analysis: Meaning, Importance, Types, Methods of Determining Correlation and Limitations- Simple Linear Regression Model, Least Squares Method

Module 4: Introduction to Probability and Probability Distribution

Introduction to Probabilities, methods of Assigning Probabilities, Structure of Probabilities, Marginal, Union, Joint, and Conditional Probabilities, Addition and Multiplication Laws, Bayes' Theorem

Probability Density Function, Probability Distribution, Discrete and Continuous Probability, Binomial, Poisson and Normal Distribution

Books Recommended:

1. Gupta S.C and Mrs. Indira Gupta: Business Statistics: Himalaya Publishing House; Delhi
2. Gupta, S.C., Fundamentals of Applied Statistics, S. Chand & Sons New Delhi.
3. Gupta, S.P., Introduction to Statistical Methods.,S. Chand& Sons New Delhi.
4. King, W.I.: The Elements of Statistical Methods; The Macmillan Co. New York.
5. Anderson, Sweemey and Villiams, Statistics for Business and Economics, Cengage Learning publication, New Delhi.

Post Graduate Teaching Department, Gondwana University, Gadchiroli M.A. Part -I Applied Economics : Semester-I

ECO2103.2 : Indian Economic Policy – I

Module 1: Nature of Indian Economy:

Features and Characteristics of the Indian Economy, Demographic features, National income: Trends and Structure,

Growth and Structural Change in the Indian Economy

Poverty and inequality, Nature, policy & implications,

Module 2: Infrastructure and Human Development

Energy, Conventional and Non-Conventional energy development in India

Energy policy – Social infrastructural developments –Education and Health –Recent issues

Human Development in India- Concept and Measurement

Module 3: Planning in India:

Objectives and strategy of planning;

Failures and achievements of Plans;

Inclusive Growth Strategy- 11th and 12th five years Plan

Developing grass-root organizations for development-Panchayats, N.G.O.s and pressure groups

Module 4: The Agricultural Sector:

Agricultural Production and Productivity,

Institutional structure- land reforms in India: technological change in agriculture.

Pricing of agricultural inputs and output;

Terms of trade between agriculture and industry;

Agricultural finance policy; Agricultural Marketing and Warehousing;

Issues in food security- Policies for sustainable agriculture.

Books Recommended:

1. Agarawal A.N. (2006): Indian Economy: Problems of Development and Planning (2006):
2. A Division of New Age International (P) : Limited, New Delhi.
3. Ahluwalia, I.J. and I.M.D. Little (Eds) (1999), India's Economic Reforms and
4. Development (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.
5. Bardhan, P.K. (9th edition) (1999), The Political Economy of Development in India, Oxford University Press, new Delhi.
6. Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar.
7. Bhargava, P. K. (1991), India's Fiscal Crisis, Ashish Publishing House, New Delhi.
8. Bhole, L. M. (2000), Indian Financial System, Ghugh Publications, Allahabad.
9. Brahmananda, PR. And V.R.Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-state Perspectives, Book well, Delhi..
10. Rangarajan, (2000), Perspectives on Indian Economy -A Collection of Essays, UBSPD publishers Distributors Ltd., New Delhi.
11. Dantwala, M.L. (1996), Dilemmas of Growth: The Indian Experience, Sage Publications, New Delhi.
12. Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.
13. Dhingra I. C. (2002): Indian Economy S.Chand New Delhi.
14. Dutt R and KPM Sundharam (2002): Indian Economy: S.Chand New Delhi.
15. Government of India, Economic Survey (Annual), Ministry of Finance, New Delhi.
16. Gupta, S. P. (1998), Post-Reform India : Emerging Trends, allied Publishers, New Delhi.
17. HanumanthaRao C.H. and H.Linnemann (Eds)(1996): Economic Reforms and Poverty Alleviation in India Sage, New Delhi.
18. Misra S.K. and V.K.Puri, (latest): Indian Economy, Himalaya, Publishing house, Mumbai.
19. Mookherjee, d. (Ed.) (1997), Indian Industry : Policies and Performance, Oxford University Press, New Delhi.
20. Mundle, s. (1999), Public Finance : Policy Issues for India, Oxford University Press, New Delhi.
21. Sandesara, J.C. (1992), Industrial Policy and Planning, 1947-1991: Tendencies, Interpretations and Issues, Sage Publications, New Delhi.
22. Sen, R.K. and B.Chatterjee (2001), Indian Economy : Agenda for 21st Century (Essays in honour of Prof.P.P.Brahmananda), Deep & Deep Publications, New Delhi.
23. Sen, R.K. and B.Chatterjee (2001), Indian Economy: Agenda for 21st Century (Essays in honour of Prof.P.P.Brahmananda), Deep & Deep Publications, New Delhi.
24. Swamy, D. s. (1994), The Political Economy of Industrialization : from Self reliance to Globalization, Sage Publications, New Delhi.
25. Uma Kapila (2006): Indian Economy-Since Independence-17th Edition, Academic Foundation, New Delhi.

**Post Graduate Teaching Department, Gondwana University, Gadchiroli
M.A. Part -I Applied Economics : Semester-I**

ECO2103.3 : Environmental Economics

Module 1: Elements of Environmental Economics

Meaning, Subject matter, Nature and Scope of Environmental Economics;

Economic Development and the Environment, Population and Environmental Linkages.

Economy, Ecology and Environmental Interaction- Ayres Kneese's Material Balance Model.

Leontief's Environmental extended Input-Output Model. Environmental Quality as public goods, Market Failure.

Module 2: Environmental Problems of Industrial and Agricultural Development:

Environmental Problems of Industrial development: Water Pollution, Air Pollution, Noise Pollution,

Special Economic Zones and Environmental Issues, Green Marketing, Environmental Auditing.

Environmental Problems of Agricultural development- Salinity, water logging, desertification of land, Excess use of water, fertilizers and pesticides,

Approaches to Sustainable Agriculture Management.

Module 3: Economics of Natural Resource Management and Sustainable Development

Economics of Renewable Resources; Resource Scarcity as Limits to Growth;

Pricing of Resources; Energy and Economic Development.

Sustainable Development- Meaning, Rules of Sustainable Development- Indicators of sustainable development, Mechanism for environment regulation in India; Environmental laws and their Implementation-Policy instruments for controlling water and air pollution-Forestry policy;

Module 4: Environmental Problems and Environmental Policy in India:

Rural and Urban environmental problems – Population and the Environment,

Poverty and the Environment; Housing and Slums and the Environment, Rural Sanitation

Scheme, Trade and environment, issues of Climate Change, Environmental Policy in India-

Environment protection laws in India, Central pollution Control Board, State and Local Bodies and Environment protection.

Books Recommended:

1. Ali, S. A. (1979), Resources for Future Economic Growth, Vikas Publishing House, New Delhi.
2. Baumol, W.J. and W.E. Oates (1988), The Theory of Environmental Policy (2nd edition), Cambridge University Press, Cambridge.
3. Bhattacharya, R.N. (Ed) (2001), Environmental Economics; An Indian Perspective, Oxford University Press, New Delhi.
4. Chopra, K. (1998), Valuation of Bio-diversity within Protected Areas: Alternative Approach and

a case study, Institute of Economics Growth, Delhi.

5. Chopra, K., Kadekodi G.K. and M.N. Murthy : The Management of Common Property Resources, SAGE, New Delhi.
7. Garge, M. R. (Ed.) (1996), Environmental Pollution and Protection, Deep and Deep Publications, New Delhi.
8. Hanley, N., J.F. Shogren and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
9. Kolstad C.D. (1999), Environmental Economics, Oxford University Press, New Delhi.
10. Lodha, S. L. (Ed.) (1991), Economics of Environment, RBSA Publishers, Jaipur.
11. Markandya, A. and M. N. Murty (2000), Cleaning up the Ganges: Cost-Benefit Analysis of Ganga Action Plan, Oxford University Press, New Delhi.
12. Mehta, S.S. Mundle and U. Sankar : Controlling pollution: Incentives and Regulation, SAGE, New Delhi - 1995
13. Murthy, M.N., A. James and S. Misra : The Economics of Water pollution in India: Oxford University Press, New Delhi, 1995
14. Pearce, D.W. and R. Turner (1991), Economic of Natural Resource Use and Environment, John Hopkins University Press, Baltimore.
15. Rajlaxmi & Birunda (1994) Environomics, Allied Publishers Limited, Madras
16. Rathore, M. S. (Ed.) (1996), Environmental and Development, Rawat Publications Jaipur.
17. Sankar, U. (Ed.) (2001), Environmental Economics, Oxford, University Press, New Delhi.
18. Singh, G. N. (Ed.) (1991), Environmental Economics, Mittal Publications, New Delhi
19. Singh, Katar and Anil Shishodia; Environmental Economics; Theory and Applications, Sage Publications, New Delhi, 2007.
20. Tirpathy, S.M. and Sumakar Panda, Fundamentals of Environmental Studies, Vrinda Publications, Delhi.
21. World Bank: World Development Report, 1992: Environment and Development Oxford University Press, New Delhi

Post Graduate Teaching Department, Gondwana University, Gadchiroli
M.A. Part -I Applied Economics : Semester-I

ECO2103.4 : Trade cycles

Module 1- Introduction

Business cycle- concept, nature, types and scope

Phases of trade cycle, main type of economic fluctuations seasonal

Kitchin, Juglar, Kondratieff, Kuznets & Schumpeter's three type of scheme

Building cycle

Historical background of trade cycle theory.

Module 2- Theory of Business Cycle- I

Monetary theory of trade cycle- Hawtrey, Hayek

Non-monetary theory- Spiethoff

Under consumption theory of trade cycle- Malthus, Karl marks,

Module 3- Theory of Business Cycle- II

Theory of trade cycle- Keynesian, Hicks, Innovation theory of trade cycle- Schumpeter Modern theories of trade cycle- Kelecki, Econometric models of trade cycle- Timbergen

Unit 4- Business Cycles History

World great depression (1929-33)- features, causes, effects, characteristic

Nature of business cycle after the second world war,

Business cycle history during 19th & 20th century

Developing countries and business cycles, nature of trade cycle in underdeveloped

Methods of measurements of cyclical fluctuations

Policies & measures for business cycle- monetary & fiscal qualitative & quantitative measure,

Books recommended.

1. Esteyl.a. business cycles- their nature causes & control Gordon, r.a. business fluctuations.
2. Harberler, g. Prosperity and depression.
3. Hicks, j.r. business cycles and national income
4. Kaleckij.r. a contribution to the theory of trade cycle
5. Ludbergeric: he business cycles in the post world war.
6. Shuklad.k. business cycle analysis.
7. World bank (1993) east asian miracle world bank report washingtond.c.
8. Goldstein, m.(1998) the asian financial cresiscresis, cacre and systematic implication institute for international economics washingtond.c.
9. Kindleberger. C.p. (1996) a history of financial crisis manias, prices and crashes (3rd ed) john wiley and sons, new york
10. Bhargavap.k. (1991) India's fiscal crisis, ashish publishing house, new delhi.
11. Vaidyanathan a, (1995) the Indian economy crisis response and prospects. Onentlongmansnew Delhi.
12. Mahore R. y. : business cycle

Post Graduate Teaching Department, Gondwana University, Gadchiroli M.A. Part -I Applied Economics : Semester-I

ECO2103.5: Regional Economics

Module 1:

Overview of Regional Economics: Meaning of Regional Economics. Need for study of Regional Economics, Definition of a region, Different types of regions, Differences between region and a nation; Importance of Regionalisation – Regionalisation Approaches – Indicators of Regional Development

Module 2:

Spatial Theories: Determinants of Regional Location, Theories of Location – Von Thunen, Weber, Losch on Location on Location – Concentration vs Dispersal of Economic Activities, Regional Social Accounting – Regional Growth Process – Regional Multiplies – Regional Input Output Analysis – Regional Business Cycle – Convergence and Divergence – Techniques for regional Economic Analysis

Module 3:

Regional Economic Policy and Regional Disparities: Importance and Objectives of regional Economic Policy– Formulation of Regional Economic Policy – Tools – Techniques Implementation – Limitations.

Causes of regional Disparities – Indicators – Extent – Trends – Policies and Programmes to

reduce Disparities – Regional Planning – Backward Area Development Programmes – Institutional and Policy framework.

Module 4:

Globalization and Regionalization Significance – Impact of New Economic Policy and Globalization on Regional Development , Indicators of regional development– New Challenges and Policy Choice.

Recommended Books:

1. Chand, M. and U.K. Puri : Regional Planning in India, Allied Publishers, New Delhi.
2. Dholakia, R.H : Regional Disparity in Economic Growth in India, Himalaya Publishing House, Bombay.
3. Glasson, J : An Introduction to Regional Planning, Concepts, Theory and Practice, Hutchison, London.
4. Richardson H.W (1969) Elements of Regional Economics, Penguin Harmondsworth
5. Shrivastava O.S.(1992) Regional Economics : Theoretical issues, Anmol Publications, New Delhi
6. ShekharSudharshu (ed) (2003) Regional Planning in India, vol-I and II Anmol Publications, New Delhi.

**Post Graduate Teaching Department, Gondwana University, Gadchiroli
M.A. Part -I Applied Economics : Semester-I**

ECO2103.6: Demography

Module 1 : Demography -

- 1.1 Demography - Meaning, Nature, Scope and Importance.
- 1.2 Malthus Theory of Population
- 1.3 Optimum Theory of Population.
- 1.4 Theory of Demographic Transition
- 1.5 Components of Population Growth and their Interdependence, Population and Economic Development.

Module 2 : Measures and Quality of Population -

- 2.1 The Concept of Quality of Population
- 2.2 Factors affecting Quality of Population
- 2.3 Measures of Crude Birth Rate, General Fertility Rate, Total Fertility Rate, Reproduction Rate, Gross Reproduction Rate and Net Reproduction Rate
- 2.4 Crude Death Rate – Infant Mortality, Life expectancy

Module 3 : Population in India -

- 3.1 Population Trends in Recent Years in India.
- 3.2 Evolution of Population Policy
- 3.3 Woman Empowerment, Family Planning Programmes and its Consequences
- 3.4 Policies related to Health, Nutrition, Education, Training.

Module 4 : Trends in World Population

- 4.1 Population Trends in Recent Years.
- 4.2 . Population Explosion
- 4.3 Growth of World Population - Developed and Developing Nations.
- 4.4 Pattern of age and Sex Structure in Developed and Developing Nations.
- 4.5 Determinants of Age and Sex Structure – Age Pyramids and Projections.

4.6 Human Development Index, Gender Equality.

Recommended Books:

1. Agarwal S.N. (1972) , India's Population Problem , Tata McGraw- Hill, Co., Bombay
2. Bose, A (1996) India's Basic Demographic Statistics, B.A. Publishing Corporation, New Delhi.
3. Bogue, D.J. (1971) , Principles of Demography, John Wiley , New York.
4. Chenery H. and T.N. Srinivasan (Eds.) (1989), Hand Book of Development Economics , Vol. 1 & 2 Elsevier, Amsterdam , et.
5. Choubey,P.K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
6. Coale A. J. and L.M. Hoover (1958) , Population Growth and Economic Development in Low Income Countries : A Case Study of India's Prospects, Princeton University Press, Princeton.
7. Gulati , S.C. (1988), Fertility in India ; An Econometric Study of a Metropolis, Sage, New Delhi.
8. Simon , J.L. (1992) Population and Development in Poor Countries, Princeton University Press.
9. Srinivasan, K. (1998), Basic Demographic Techniques and Applications Sage, New Delhi.
10. Srinivasan K and A. Shariff (1998), India : Towards Population and Demographic Goals , Oxford University Press, New Delhi.
11. Sryrock , H.et. al (1973), The Methods and Materials of Demography, US Department of Commerce, Washington D.C.

Post Graduate Teaching Department, Gondwana University, Gadchiroli M.A. Part -I Applied Economics : Semester-I

ECO2104.1: Mathematical Economics - I

Module - 1: Basics of Mathematical Economics and Algebra

Basic Concepts- Importance of Mathematical Methods in Economic Analysis;
Review of Elementary Algebra- indices, quadratic equations, Arithmetic and Geometric Progressions, theory of Sets and operations, Equation of a straight line, slope of line, intercept

Module - 2: Limits, Differential Calculus and Integration

Limit, Continuity and Derivatives;
Rules of Differentiation, Partial Differentiation; Total Differential; Uses in Economics; Marginal Concept; Marginal Cost; Revenue; Utility; Elasticity's and Types; Concepts of Maxima and Minima; Unconstrained and Constrained Optimization in Simple Economic Problems; Concept of Integration; Some Simple Rules of Integration and Applications in Economic Dynamics

Module – 3: Matrix and Determinants

Matrix – Types, Elementary Operations – Addition, Multiplication, Matrix Inverse and Rank of a Matrix, Determinants and their Basic Properties; Solution of Simultaneous Equations using Matrices

Module-4: Game Theory and Linear Programming and Input-Output Analysis:

Concept of game – Two-person zero-sum game, Pay-off matrix, pure and mixed strategies, Saddle point solution; Non-constant sum game, Prisoners Dilemma

Linear programming – Basic concept of linear programming problem (LPP), solution of LPP by

graphical and simplex method; primal and dual problem, application of LPP in economics. Input-output analysis- introduction, Open and closed input-output models, Coefficient Matrix and Open Model; Hawkins-Simon conditions; Leontief's dynamic model and static model; Limitations.

Books Recommended:

1. Alien, R.G.D., Mathematical Analysis for Economists, Macmillan Press and ELBS, London.
2. Allen, R.G.D. (1974), Mathematical Analysis for Economic, Macmillan Press and ELBS, London.
3. Arrow, K.J. and M. Intrilligator (Eds.) (1982), Handbook of Mathematical Economics, Volumes I, II and III, North Holland, Amsterdam.
4. Black J. and J.F. Bradley: Essential Mathematics for Economists. John Wiley and Sons, London.
5. Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
6. Edward T. Dowling, Introduction to Mathematical Economics: Schaum's Outline Series Tata, McGraw Hill, New Delhi.
7. Hadley, G., Linear Programming, Addison Wesley Publishing Co., Massachusetts.
8. Handry, A.T., Operations Research, Prentice Hall of India, New Delhi.
9. Monga G.S., Mathematics and statistics for Economists. Vikas Publishing House, New Delhi.
10. Taha, H.A., Operations Research: An Introduction (6th Edition), Prentice Hall of India Pvt. Ltd., New Delhi.
11. Veerachamy R. (2002): Quantitative Methods for Economists. New Age International Publishers, Bangalore.
12. Yamane, Taro, Mathematics for Economists, Prentice Hall of India New Delhi.

**Post Graduate Teaching Department, Gondwana University, Gadchiroli
M.A. Part -I Applied Economics : Semester-I**

ECO2104.2: Industrial Economics - I

Module 1:

Industrialisation: Meaning, Nature and scope of industrial economics.

Organization of a firm: Concept, types of organisation forms, objectives of a firm.

Meaning of industrialisation, rationale for industrialisation, Role of Industrialization in Economic Development - Factors for and against industrial development. Strategies for industrialisation.

Module 2:

Size and location of the firm: Measures of size of firm, Concept of optimum firm, Factors determining optimum size of a firm.

Determinants of Industrial Location - Technical, economic, infrastructural and other factors .

Theories of Industrial Location: Weber, Sargent Florence.

Industrial Imbalance: Causes and Measures. Need for Balanced Regional Development of Industries.

Module 3:

Industrial Productivity & Efficiency: Meaning & determinants of efficiency.

Productivity: concept and Measurement, Distinction between productivity & production. Factors affecting Productivity and Capacity Utilization, Importance of Productivity in the Competitive

Environment. Measures required for Improving Productivity and Efficiency, National Productivity council.

Labour productivity: concept and determinants. Tools for improvement of labour productivity.

Module 4:

Profitability & investment analysis: Meaning & measurement of profitability. Market conditions favourable for profitability.

Investment decisions: Nature & type, Methods of evaluating investment expenditure – Payback method, ARR, NPV and IRR. Ranking of Projects. Social Cost Benefit Analysis –Balancing private and social returns.

Assessment of financial soundness of the firm: Ratio analysis, Break Even analysis.

Books Recommended:

1. Ahluwalia, I.J: Industrial Growth in India (Oxford University Press, New Delhi, 1985)
2. Barthwal, R.R: Industrial Economics (Wiley Eastern Ltd, New Delhi, 1985)
3. Cherunilam F: Industrial Economics: Indian Perspective (3rd Edition) (Himalaya Publishing House, Mumbai, 1994)
4. Desai B: Industrial Economy in India (3rd Edition) (Himalaya Publishing House, Mumbai, 1999)
5. Kuchhal S.C.: Industrial Economy of India (5th Edition) (Chaitanya Publishing House, Allahabad, 1980)
6. Singh. A and A.N Sadhu: Industrial Economics (Himalaya Publishing House, Bombay, 1988)

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ECO2104.3: Public Economics- I

Module 1: Introduction Role of Government:

The Role of the Government in a Changing Perspective

Government as an agent for economic planning and development

Private Goods, Public Goods, Social Goods, Merit Goods and Mixed Goods- meaning & characteristics

Public finance vs private finance Taxable Capacity- Meaning, Types and Measurement

Taxable Capacity- Meaning, Types and Measurement

Monetary and Fiscal Policies- Meaning, Objectives and interdependence

Module 2: Public Choice

Public finance and the economy

Principle of public finance

Maximum Social Advantage, Musgrave's view on MSA

Test & Limitation of the Theory of MSA

Private and public mechanism for allocating resources, problems for allocating resources, problems of

preference revelation and aggregation of preferences, an economic theory of democracy.

Module 3: Rational for Public Policy

Problems of preference revelation and aggregation of preferences

Arrow impossibility theorem;

An economic theory of democracy; Politico-eco-bureaucracy

Demand-revealing schemes for public goods- Tiebout model, Theory of club goods.
Liquidity preference; Social goals; Poverty alleviation, Provision of infrastructural facilities, removing distributional inequalities and regional imbalances.
Stabilization Policy-Keynesian case for stabilization policy, Uncertainty and expectations, Failure of inter-temporal markets;

Module 4: Government Budget and Revenue

Budget – Meaning, kinds, Components, Preparation, Presentation and Execution of Budget.
Type sources & Trends in Revenues of Union, State and Local Bodies since 1991; Economic Reforms in Direct and Indirect Taxes
Budgeting trends & techniques – Zero base, Gender base, Outcome, Incremental, Traditional, Programme budgeting; Balance budget Multiplier

Books Recommended:

1. Atkinson, A.B. and J.E. Siglitz (1980): Lectures on Public Economics, Tata McGraw Hill, New York.
2. Auerbach, A.J. and M. Feldstern (eds.) (1985): Handbook of Public Economics. Vol.1, North, Holland, Amsterdam.
3. Barman, K. (1986), Public Debt Management in India, Uppal Publishing House, New Delhi.
4. Bhargava, P.K. (1984): Some Aspects of Indian Public Finances, Uppal Publishing House, New Delhi
5. Bhargava, P.K. (1991), India's Fiscal Crisis. Ashish Publishing House, New Delhi.
6. Bhatia, H.L. (2000): Public Finance, Vikas Publishing House Pvt. Ltd. Delhi.
7. Chellai, Raja J.(eds.)(1997), Towards Sustainable Growth, Oxford University Press, New Delhi.
8. Datt, R. (Ed.)(2001), Second Generation Economic Reforms in India, Deep & Deep, Publications, New Delhi.
9. Gandhi, V.P. (1970): Some Aspects of India" s Tax Structure, Vora and Company, Bombay.
10. Hemlata Rao (2006) Fiscal Federalism –Issues and Policies, New Century Publications, New Delhi.
11. Kirit S. Parikh (Ed.) (1999) India Development Report -1999-2000, Oxford University Press, New Delhi.

Post Graduate Teaching Department, Gondwana University, Gadchiroli M.A. Part -I Applied Economics : Semester-I

ECO2104.4 : Urban and Infrastructure Economics

Module 1. Economics of Urbanization:

Concepts in Urban Economics – Characteristics & Theoretical Issues – Urban Morphology– Classical Models– Urban and Regional Growth Theories– Macro-Economic Approach and Cumulative Causation Theory – Urban Hierarchy– Urban Size Distribution and Optimum City Size Debate – Weberian Location Theory – Location of Residential and Industrial Activities – Urban Planning – Land Use & Market – Decentralization and Impact – Geographical Information System and Use – Urban Informal Sector– Metropolitan/Mega Cities– Trends Worldwide– Indian Situation – Environment and Urbanization.

Module 2. Economics of Infrastructure Development:

Basic Concepts: Infrastructure and Economic Development – Infrastructure as a Public Good – Social and Physical Infrastructure – Infrastructure Financing and Planning – Public Private Partnership – The Peak-Load & Off-Load Problem – Dual Principle Controversy – Economies of Scale of Joint Supply – Marginal Cost Pricing Vs. Other Methods of Pricing in Public Utilities – Cross-Subsidization – Equity and Efficiency.

Rural Infrastructure: Rural – Urban Differences in Infrastructure Development – Components of Rural Infrastructure – Characteristics and Growth – Rural Industries – Sustainable Development and Infrastructure – Rural Transport Issues – Rural Markets.

Module 3. Energy, Power, Water, and Sanitation in India:

Energy and Economic Development – Energy Demand – Supply and Shortages – Growth and Present Status – Commercial and Non-Commercial Energy Resources – Energy Efficiency Computation – Conventional & Non-Conventional Sources – Growth and Present Status – Power Sector in India Structure and Growth – Relative Economics of Hydel-Thermal and Nuclear Power Plants – Electrification in India – Problems & Prospects – Power Pricing and Subsidy – Water Supply and Sanitation Sector in India – Overview and Present Scenario.

Module 4 : Road, Rail, Air, Ports and Telecommunications in India

The Structure of Transport Costs and Location of Economic Activities, Demand for Transport – Models of Freight and Passenger Demand – Cost Functions in Transport Sector – Pricing, Principle – Special Problems of Modes of Transport – Network Analysis – Equilibrium – Public Policy in Transportation.

Characteristics and Problems – Pricing Principles – Decreasing Costs in Telephone Industry – Telecommunication Policy Changes – Privatization & Competitiveness.

Books Recommended:

1. 3i Network (2010), India Infrastructure Report, Oxford University Press, New Delhi.
2. Button, K.J. (2003), Transport Economics, Edward Elgar.
3. Crew, M.A. and Paul R. Kleindorfer (1986), The Economics of Public Utility Regulation, MIT Press.
4. Evans, A.W. (1984), Urban Economics, Basil Blackwell.
5. Mills, E. and Charles Baker (1988), India's Urban Development, Oxford University Press.
6. O'Sullivan, A. (2002), Urban Economics, McGraw-Hill Irwin.
7. Michael A Crew and Paul R Klendorfer (1986), The Economics of Public Utility Regulation, MIT Press.
8. Parry, L.J. (1980), Urban Economics: A Set Approach, Arnold Heineman.
9. Picot, A., Florio, M., Grove, N., and JhannKranz (eds) (2015), The Economics of Infrastructure Provisioning: The Changing Role of the State, MIT Press.
10. Ramachandran, R. (1989), Urban Economics and Urban Systems in India, Oxford University Press.
11. Shukla, V. (1996), Urbanization and Economic Growth, Himalaya Publishers.

**Post Graduate Teaching Department, Gondwana University, Gadchiroli
M.A. Part -I Applied Economics : Semester-I**

ECO2104.5: Rural and Agricultural Economics- I

Module 1: Introduction to Economics of Agriculture and Rural Development:

Basic Concepts in Agricultural and Rural Economics: History of Rural and Agricultural Development in the World – Importance of Agriculture in Rural Economy in Overall Economic Development – Nature and Scope of Agricultural Economics – National Resource Base of Indian Agriculture – India's Position in World Agriculture – Agricultural Growth in India During Pre and Post Independence Period – Nature and Cropping Pattern–Production and Productivity Trends.

Agricultural Inputs & Land: Labour and Capital Inputs– Agrarian Structure and Dynamics– Land Reforms – Theory and Implications– Theory of Land Tenancy– Experiences and Contemporary Relevance – Important Production Relationships.

Agricultural/Rural Labour: Rural Labour Market – Widening Disparity Between Agriculture and Non-Agriculture – Agricultural Diversification – Farm-Nonfarm Linkages and Diversification of Rural Economic Activities (Pluri-Activity) – Sustainable Rural Livelihoods – Migration and Rural Economy: Forced Migration, Seasonal Migration and Remittance – Employment and Unemployment in Agriculture and its Measurement – Agricultural Wages in India – Reforming Agriculture – Constraints and Scope – Education and Other Socio–Economic Overheads – Its Effect on Agriculture.

Module 2. Theoretical Developments:

Production Functions: Theory and Applications – Allocative and Technical Efficiency – Factor Combination and Resource Substitution – Cost and Supply Curves – Technical Change and Agricultural Productivity– Concept and Measurement – Total Factor Productivity – Resource Use and Technological Changes in Agriculture – Resource and Efficiency in Traditional/Modern Agriculture – Economics of Input and Product Substitution – Instability.

Transformation of Traditional Agriculture: Schultz and Mellor's Analysis – Agriculture and Dual Models: Fei-Ranis and Arthur Lewis – Kuznets's Formulations.

Module 3. Current Issues in Agriculture and Rural Development:

Problems of Water Utilization– Over Exploitation, Contamination, Distribution, Mismatch in Availability and Use – Issues Related to Large and Small Irrigation Works.

Supply of Farm Products: Characteristics of Supply of Farm Products – Issues Relating to Specification of Supply Response Function (Distributed Lags, Acreage Vs. Production Response Etc.) – Supply Response in Indian Agriculture.

Price Vs. Non–Price Factors in Inducing Aggregate Supply Growth: Farm Prices – Trends in Relative Prices of Farm Products – Agricultural Industry Linkages – Terms of Trade – Agricultural Subsidies – Sources of Price Variability and Income Instability – Rationale for and Types of Government Intervention for Price Support and Reduction in Instability.

Issues on the Mechanization of Agriculture: GM Crops in Agriculture – Bio Technology – Economic Aspects of Irrigation and Fertilizer Use – Live Stock Management – Dairy Farming – Fisheries Sector – Contract Farming – Value Addition: Processing Industry – Emerging Trends in Agricultural Technology – (Irrigation, Seeds, Fertilizers, Plant Protection Technology)– Green Revolution.

Module 4 : Demand and Markets: Demand for Farm Products: Characteristics of Demand for Farm Products – Concept and Measurement of Own Price Cross – Price and Income Elasticities of Demand and their Interrelationship – Quantity and Quality Components of Demand for Food – Growth in Demand for Food in Developing and Developed Countries.

Forecasting of Demand for Food Products: The Integration of Different Markets in India and the Structure of Marketing Agencies – Cooperative Marketing – Organized Retailing – Contract Farming – Price Spread – Issues with Respect to Marketed Surplus – Marketing Channels – Price Spread – Producers Share in Consumer's Rupee – Value Chain – Demand for Food In International Markets – Towards Free Trade in Agricultural Commodities.

Rural Money Markets: Reorganization of Rural Credit – Formal and Informal Credit Markets – Role of NABARD– Recent Policy Changes in Regard to Farm Credit and their Implications – Imperfections in Rural Credit Markets in India – Risk and Insurance – Efficient Risk Sharing Formal and Informal Insurance.

Books Recommended:

1. Acharya A.S. and N.L.Agarwal, (2012) Agricultural Marketing in India, Oxford IBH new Delhi
2. Barkley Andrew , Barkley Paul W. (2016), Principles of Agricultural Economics, Routledge.
3. Basu, Kaushik, (1990), Agrarian Structure and Underdevelopment, Harwood.
4. Bhalla, G.S., (2007) Indian Agriculture Since Independence, National Book Trust, New Delhi.
5. Drummond H., Goodwin John (2013) Agricultural Economics: Pearson New International Edition, Pearson.
6. Frank Ellis, (2000) Rural Livelihoods and Diversity in Developing Countries, Oxford University Press, New York.
7. MartiinCarin (2013), The World of Agricultural Economics: An Introduction, Routledge.
8. Moss Charles B. (2013), Agricultural Finance, Routledge
9. Norton George W., Alwang Jeffrey, Master William A. (2014), Economics of Agricultural Development: World Food Systems and Resource Use, Routledge.
10. Penson John, Capps Oral, Rosson C., Woodward Richard (2015), Introduction to Agricultural Economics, Pearson.
11. PranabBardhan, (1998) The Economic Theory of Agrarian Institutions, Clarendon Press, New York.
12. Rao, C. H. Hanumantha, (2005) Agriculture, Food Security, Poverty and Environment: Essays on Post – Reform India, Oxford University Press, New Delhi.
13. Schultz T.W.(1969) Transforming Traditional Agriculture, Yale University
14. Vaidyanathan, A., (2010) Agricultural Growth in India: The Role of Technology, Incentives and Institutions, 2nd edition, Oxford University Press, New Delhi.

**Post Graduate Teaching Department, Gondwana University, Gadchiroli
M.A. Part -I Applied Economics : Semester-I**

ECO2104.6: Community Development and Planning

Module 1. : Social Development Theory and Policy I: Modernization and Dependency Theories

- 1.1 Introduction to the Sociology of Development
- 1.2 Social Investment and Economic Growth
- 1.3 Theories of Underdevelopment
- 1.4 Theories of Development

Module 2 : Social Development Theory and Policy II:

2.1 Marxism, Post-Marxism and Post-Development

- 2.1 Post-modernization approaches to guided development during 1970s and 80s and their implications for state intervention and social policy.
- 2.3 Redistribution with growth and basic human needs.

Module 3 : Social Capital and Social Policy

4.1 What is Social Capital.

4.2 Asset Vulnerability Framework.

4.3 Foundations of Social Theory

Module 4 : Community Development

5.1 Community Development practices

5.2 Case Studies : Indian context

5.3 Overseas Development Assistance and Social Planning

5.4 Planning and aid, Social Development and the Environment, Population and Social Policy in an International and Indian context.

Books Recommended :

1. Hardiman M & J Midgley , The Social Dimensions of Development, Gower,1989
2. Webster A, Introduction to the Sociology of Development, Macmillan,1983
3. Streeten P, First Things First: Meeting Basic Human Needs in Developing Countries,1981
4. Putnam R, Making Democracy work, Princeton University Press, NEW Jersey,1993
5. Lal D, The Poverty of Development Economics,1983
6. Preston PW, Development Theory : An Introduction, Blackwells,1996
7. Chambers, R 'Poverty and Livelihoods: Whose Reality Counts?' in Environment and Urbanization, Vol. 7,No. 1, April 1995,pp 173-204.