



**PUNYASHLOK AHILYADEVVI HOLKAR
SOLAPUR UNIVERSITY, SOLAPUR**

M. A. ECONOMICS

(Second Year)

FOR UNIVERSITY CAMPUS

CHOICE BASED CREDIT SYSTEM

(CBCS)

W.E.F. JUNE 2021-22

M.A- PART-II (ECONOMICS) FOR UNIVERSITY CAMPUS**M.A. PART- II (Semi- III and IV) ECONOMICS W.E.F.2021-22**

Semi	Code	Title of the Paper	Semester Exam			L	T	P	Credits
			Theory	IA	Total				
Third									
Economics		Hard Core Papers							
HCT	3.1	Public Finance	80	20	100	4	0	0	4
HCT	3.2	Mathematical Economics	80	20	100	4	0	0	4
		Soft Core /Elective Paper (Any One)							
SCT	3.1	Research Methods in Economics	80	20	100	4	0	0	4
SCT	3.2	Economics of Health and Healthcare	80	20	100	4	0	0	4
		Open Elective (Any One)							
OET	3.1	Human Development	80	20	100	4	0	0	4
OET	3.2	Economics of Transport	80	20	100	4	0	0	4
		Practical/Field Work							
HCP	3.1	Practical Work – EXCEL	80	20	100	0	0	4	4
SCP	3.2	Practical/ Field Work - SPSS	80	20	100	0	0	4	4
	1	Tutorial	00	25	25	0	1	0	1
		Total	480	145	625	16	1	8	25
Fourth									
Economics		Hard Core Papers							
HCT	4.1	International Trade and Finance	80	20	100	4	0	0	4
HCT	4.2	Economics of Growth and Development	80	20	100	4	0	0	4
HCT	4.3	Monetary Economics	80	20	100	4	0	0	4
		Soft Core /Elective Paper (Any One)							
SCT	4.1	Principle and Practices of Co-operation	80	20	100	4	0	0	4
SCT	4.2	Economics of Industry and Labour	80	20	100	4	0	0	4
		Practical/Field Work							
HCP	4.1	Practical Work – Data Analysis	80	20	100	0	0	4	4
SCP	4.2	Dissertation	80	20	100	0	0	4	4
	1	Tutorial	00	25	25	0	1	0	1
		Total	480	145	625	16	1	8	25

ADD ON COURSE FOR SEME-IV

Certificate Course In Economics Of Insurance	Lecture + Project Report Work	Credits	Marks	UA		CA	
	60	04	100	80	32	20	08

- APART FROM THE ABOVE COURSE THE STUDENTS CAN CHOOSE SWAYAM/MOOC/NPTEL COURSE AS ADD ON COURSE.
- THE STUDENTS CAN CHOOSE THE COURSE AS ADD ON COURSE FROM THE COURSES STARTED BY SKILL DEVELOPEMNT CENTRE OF THE PAH SUS.

L = Lecture, T = Tutorials, P = Practical/ Field Work
4 Credits of Theory = 4 Hours of Teaching Per Week

- **Total Marks of the Course** : **2500 Marks**

- **Distribution of Marks**
 - Theory Examination (Each Paper) : 80 Marks
 - Internal Examination (Each Paper) : 20 Marks
 - (Theory Examination will be of 80 marks of 2.30 hours)

- **Distribution of Internal Marks:** : **20 Marks**
 - 1. Written Test 1 : 5 Marks
 - 2. Written Test 2 : 5 Marks
 - 3. Seminar/Presentation : 10 Marks

- **Standard of Passing:** : **40 % Marks**
 - Theory Examination : 32 out of 80 Marks
 - Internal Examination : 08 out of 20 Marks

- **Workload:**

- Teaching/Practical Workload : 04 Hours Per Paper/ Practical/Field Work

NATURE OF QUESTION PAPER AND SCHEME OF MARKING

M.A. (ECONOMICS) SEMESTER-I/II/III/IV EXAMINATION,

Total Marks: 80

Duration: 2 Hours 30 Minutes

- Instructions:** 1) All questions are compulsory.
2) All questions carry equal marks.

Q. No. 1: Multiple Choice Questions (2 Marks Each) 16 Marks

- (1)
- (2)
- (3)
- (4)
- (5)
- (6)
- (7)

Q. No. 2: Short Notes (Any Four out of five) 16 Marks

- (1)
- (2)
- (3)
- (4)
- (5)

Q. No. 3: Short Answer Type Questions (Any Two out of Three) 16 Marks

- (1)
- (2)
- (3)

Q. No. 4: Descriptive Type Questions with internal choice 16 Marks

(A)

Or

(B).....

Q. No. 5: Descriptive Type Question. 16 Marks

SEMESTER THREE**Hard Core Papers****Paper No: 1****PUBLIC FINANCE****Preamble**

Role and functions of the Government in an economy have been changing with the passage of time. The term 'Public Finance' has traditionally been applied to the package of those policies and operations which involve the use of tax and expenditure measures while budgetary policy is an important part to understand the basic problems of use of resources, distribution of income, etc. There are vast array of fiscal institutions – tax systems, expenditure programmes, budgetary procedures, stabilization instruments, debt issues, levels of government, etc., which raise a spectrum of issues arising from the operation of these institutions. Further, the existence of externalities, concern for adjustment in the distribution of income and wealth, etc. require political processes for their solution in a manner, which combines individual freedom and justice. This paper combines a thorough understanding of fiscal institutions with a careful analysis of the issues which underline budgetary policies.

Unit-1: Role of Government:**(15 Periods)**

- (A) Role of Government in a mixed economy; Government as an agent for economic planning and development;
- (B) Private goods, public goods, and merit goods;
- (C) Market failure

Unit-2: Public Choice and Public Policy**(15 Periods)**

- (A) Private and public mechanism for allocating resources; Problems for allocating resources;
- (B) Problems of preference revelation and aggregation of preferences; Voting systems; Arrow impossibility theorem; An economic theory of democracy;
- (C) Voluntary exchange models; Impossibility of decentralized provision of public goods, theory of club goods.

Unit-3: Public Expenditure:**(15 Periods)**

- (A) Wagner's law of increasing state activities; Wiseman-Peacock hypothesis;
- (B) Criteria for public investment; social cost-benefit analysis
- (C) Programme budgeting and zero base budgeting.

Unit-4: Taxation and Public Debt**(15 Periods)**

- (A) Theory of incidence; Alternative concepts of incidence;
- (B) Benefit and ability to pay approaches; Theory of optimal taxation; Excess burden of taxes; the problem of double taxation, Laffer Curve.
- (C) Federal Finance- federalism under constitution, Finance Commission, Tax sharing,

BASIC READING LIST

- 1) Atkinson, A. B. and J. E. Stiglitz (1980), Lectures on Public Economics, Tata McGraw Hill, New York
- 3) Buchanan, J. M. (1970), The Public Finances, Richard D. Irwin, Homewood.
- 4) Goode, R. (1986), Government Finance in Developing Countries, Tata McGraw Hill, New Delhi.
- 5) Houghton, J. M. (1970), The Public Finance: Selected Readings, Penguin, Harmondsworth.
- 6) Jha, R. (1998), Modern Public Economics, Routledge, London.
- 7) Menutt, P. (1996), The Economics of Public Choice, Edward Elgar, U. K.
- 8) Musgrave, R. A. (1959), The Theory of Public Finance, McGraw Hill, Kogakusha, Tokyo.
- 9) Musgrave, R. A. and P. B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
- 10) Shoup, C. S. (1970), Public Finance, Aldine, Chicago.
- 11) Shome, P. (Ed.) (1970), Tax Policy: Handbook, Tax Division, Fiscal Affairs Department, International Monetary Fund, Washington D. C.
- 12) Cornes, R. and T. Sandler (1986), The Theory of Externalities, Public Goods and Club Goods, Cambridge University Press, Cambridge.
- 13) Herber, B. P. (1967), Modern Public Finance, Richard D. Irwin, Homewood.
- 14) Spulber, N. (1998), Redefining the State, Cambridge University Press, Cambridge.
- 15) Buchanan, J. M. (1968), The Demand and Supply of Public Goods, Rand McNally, Chicago.
- 16) Mueller, D. C. (1979), Public Choice, Cambridge.
- 17) Spulber, N. (1998), Redefining the State, Cambridge University Press, Cambridge.
- 18) Stiglitz, J. E. (1986), Economics of Public Sector, Norton, New York.
- 19) Dorfman, R. (Ed.) (1970), Measuring the Benefits of Government Investment, Brookings Institution, Washington.
- 20) Friedman, A. (1986), Welfare Economics and Social Choice Theory, Martins Nijhoff, Boston.
- 21) Glennester, H. and J. Hills (1998), The State of Welfare: The economic and Social Spending Oxford University Press, London.
- 24) Peacock, A. and D. J. Robertson (Eds.) (1963), Public Expenditure: Appraisal and Control, Oliver and Boyd, Edinburgh.
- 25) Phyr, P. (1970), Zero Base Budgeting: A Practical Management Tool for Evaluating Expenses, John Wiley, New York.
- 26) Premchand, A. (1966), Control of Public Expenditure in India, Allied Publishers, New Delhi.
- 27) Sahni, B. S. (Ed.) (1972), Public Expenditure Analysis : Selected Readings, Rotherdam University Press.
- 28) Bird, R. and O. Oldman (1967), Readings on Taxation in Developing Countries, the John Hopkins University Press, Baltimore.
- 29) Cutt, J. (1969), Taxation and Economic Development in India, Frederick A Praegar Publishers, New York.
- 30) Kaldor, N. (1955), An Expenditure Tax, George Allen and Unwin, London.
- 32) Barman, K. (1986), Public Debt Management in India, Uppal Publishing House, New Delhi.
- 33) Buchanan, J. M. (1958), Principles of Public Debt, A Defence and Restatement, Richard D. Irwin, Homewood.
- 34) Ferguson, J. M. (Ed.) (1964), Public Debt and Future Generations, North Carolina University Press, Chapel Hill.

Hard Core Papers
Paper No: 2

MATHEMATICAL ECONOMICS

Unit 1: Theory of Consumer Behaviour: (10 Periods)

- (A) Demand function, ordinal utility maximization, Slutsky equation, income substitution and price effects.
- (B) Concept of elasticity and its applications.
- (C) Additive utility function, indirect utility function, consumer's surplus, linear expenditure system.

Unit 2: Theory of Production: (10 Periods)

- (A) Homogenous and Non-Homogenous production function,
- (B) Short and long run production function,
- (C) Cobb-Douglas production function and its properties.

Unit 3: Price and Output Determination: (10 Periods)

- (A) Perfect Competition, Monopoly,
- (B) Monopolistic, Monopsony,
- (C) Oligopoly, Duopoly,
- (D) General Equilibrium System of Walrasian Equilibrium Conditions.

Unit 4: Theory of Income Determinations: (10 Periods)

- (A) Consumption function,
- (B) static and dynamic multiplier,
- (C) determination of investments, accelerator principle.

Unit 5: Game Theory and Linear Programming: (10 Periods)

- (A) Two persons zero sum game, pay-off matrix,
- (B) Maximum and minimax strategies
- (C) Linear programming, Graphical and Simplex Method, Applications in Economics

Unit 6: Matrix: (10 Periods)

- (A) Meaning of Matrix
- (B) Types of Matrix
- (C) Algebra of Matrices
- (D) Determinants of Matrix

BASIC READING LIST

- 1) Abel, A.B.S., Bernanke and B. Menabb (1998), *Macroeconomics*, Addison Wesley, Massachusetts.
- 2) Allen, R.G.D. (1974), *Mathematical Analysis for Economics*, McMillian Press and ELBS, London.
- 3) Barro, R.J. and H. Grossman (1976), *Money, Employment and Inflation*, OxfordUniversity Press, Oxford.
- 4) Chiang, A. C. (1986), *Fundamental Methods of Mathematical Economics*, McGraw Hill, New York.
- 5) Chung, J. W. (1993), *Utility and Production: Theory and Applications*, Basil Blackwell,London.
- 6) Ferguson, C. E. (1976), *Neo-classical Theory of Production and Distribution*.
- 7) Hadley, G. (1962), *Linear Programming*, Addison Wesley Publishing Co., Massachusetts.
- 8) Hiller, F.S. and G. J. Lieberman (1985), *Operations Research*, C.B.S., New Delhi.
- 9) Jha, R. (1991), *Contemporary Macroeconomic Theory and Policy*, Wiley Eastern Ltd., New Delhi.
- 10) Jones, H.G. (1976), *An Introduction to the Modern Theory of Economic Growth*, McGraw Hill, Kogakusha Tokyo.
- 11) Kothari, C. R. (1992), *An Introduction to Operations Research*, Vikas Publishing House, New Delhi.
- 12) Kuhn Harold W. (ed) (1997), *Classics in Game Theory*, Princeton, University Press, Princeton.
- 13) Mankiw, N.G. and D. Romer (Eds.) (1991), *New Keynesian Economics (2 Vols)*, MIT Press, Cambrdige, Mass.
- 14) Mustafi, C. K. (1992), *Operations Research : Methods and Practice*, Wiley Eastern, New Delhi.
- 15) Nash, I.E. (1996), *Essays on Game Theory*, Cheltenham, U.K.

Soft Core/ Elective Paper

Paper No: 1

RESEARCH METHODS IN ECONOMICS

Objectives of the Course:

- I. To introduce the students to the logic of social research and the associated processes.
- II. To build capacity to carry out research independently.

Unit 1: Introduction and Context: (12 Periods)

What is Social Research? Definition, Meaning and its History; Importance of Social Research: Knowledge Economy and Knowledge Society; Research as an Empowering Profession.

Unit 2: Research Process and Design: (12 Periods)

Formulating Research Topic; Use of Concepts, Variables, and Hypotheses; Setting Research Objectives / Questions, Reviewing Relevant Literature. Research Design: Meaning and Types of Research Designs; Descriptive, Analytical, Explorative, Basic and Applied Research Designs;

Unit 3: Techniques of Sampling: (12 Periods)

Meaning and Types of Sampling; Random, Stratified, Quota, Systematic, Cluster and Judgment Sampling Procedures.

Unit 4: Collection of Data: (12 Periods)

Collection of Primary Data: Questionnaires, Interview Schedules, Observation Method, Case Studies, Content Analysis and Survey Methods. Collection of Secondary Data: Historical Documents, Archival Material, Published Sources, Journals, Internet Sources, Census, NSS and Statistical Reports.

Unit 5: Research Writing: (12 Periods)

Writing Research Proposal and Research Report, One Case Study of a Research Proposal.

References:

1. Baily K.D, 1982, Methods of Social Research Free press, New York.
2. Bajpai S.R. 1969. Social Survey and Research. Kanpur: KitabGhar.
3. Barnes,John A, 1979,Who Should Know What ? Social Science, Privacy and Ethics, Harmondsworth, Penguin.
4. Bleicher M. 1988.The Hermeneutic Inagination, London. Routledge and Kegan Paul (Introduction onlu)
5. Bose.Pradip Kumar,1995: Research Methodology, New Delhi,ICSSR.
6. Bryman, Alan,1988, Quality and Quantity in Social Research, London: Unwin Hyman.
7. Fayerabad,Paul,1975, Against Method: Outline of an Anarchistic Theory of Knowledge, London, Humanities Press.
8. Goode, J. and Hatt P.J., Methods in Social Research,New York McGraw Hill.
9. Hughes, Jon, 1987, The Philosophy of Social Research, London, Longmon. Indian Journal of Social work 1985, Spccial issue of Research Mothodology Irvine. J.I. Miles and J. Evans (eds) 1979. Demystifying Social Statistics. London, Pluto Press.
10. Mukherjee, P.N. (eds),2000, Methodology in Social Research. Delimmas and perspectives, New Delhi, Sage (Introduction).
11. Popper K., 1999, The Logic of Scientific Discovery, London, Routledge.
12. Puch, Keith, 1986, The Introduction to Social Research,London,Sage.
13. Srinivas, M.N. And A.M Shah 1979, Field Worker and the Filed, New Delhi.Oxford.
14. Young Papuline V. 1946. Scientific, Social Survey and Research. New York. Prentice Hall.

Soft Core/ Elective Paper**Paper No: 2****Economics of Health and Healthcare****Unit- 1. Health economics****(15 Hours)**

The state and scope of health economics, Human capital and health, Health as a Social Indicator; Health dimensions of development: the health and development interdependency, The Dual Relationship between Health and Economic Status; Determinants of health: Poverty, Malnutrition and Environmental quality, Components of economic appraisal of health programmes.

Unit-2. Demand for health and healthcare**(15 Hours)**

Demand for health: theoretical and empirical investigations, health insurance and demand for medical care, moral hazard and consumer incentive in health care.

Unit-4 Health Production and Valuing Health and health damage**(15 Hours)**

Relevance of production function, Estimating household health production function.

Human capital approach: measurement of mortality, value of statistical of life, years of life lost; Morbidity valuation: cost of illness; Burden of disease: Meaning and significance; DALY: A measure of the burden; The DALY framework: Components and postulates, DALY and QALY; The GBD assessment, BD and DALY: A critical appreciation.

Unit-5. The state of health and healthcare**(15 Hours)**

The Indian experience: The background of formulation of Indian National Health Policy; National Health Policies (various years); Healthcare System in India; Major sources of data on health and healthcare and their use.

Basic Reading List:

- 1) Anthony J. Cuyler and Joseph P.(ed). 2000. Handbook of Health Economics, Newhouse, North-Holland, Elsevier Science.
- 2) Clewar, Ann, and David Perkins. 1998. Economics for Health Care Management. London: Prentice Hall
- 3) Folland, Sherman, Allen Goodman, and Miron Stano. 2001. The Economics of Health and Health Care. New York: Macmillan, Third Edition.
- 4) Lee, K. and A. Mills. 1983. Economics of health in developing countries. Oxford: Oxford University Pres.
- 5) Rice, Thomas. 1998. The Economics of Health Reconsidered. Chicago: Health Administration Press.
- 6) Sherman Folland, Allen C. Goodman, and Miron Stano. 2004. The Economics of Health and Health Care, 4th Edition, Prentice Hall.
- 7) Various reports (and data) published by the MOHFW, Govt. of India and/or other appropriate agencies or organizations.
- 8) Morris, S., Devlin, N., Parkin, D. 2012 Economic Analysis in Health Care. John Wiley & Sons: Chi Chester.
- 9) Goodacre, S., McCabe, C. 2002. Introduction to economic evaluation. Emergency medicine.,19:198-201
- 10) Hutton, J. 2012 Health Economics and the evolution of economic evaluation of health technologies, Health economics.21:13-18
- 11) Palmer, S., Torgerson, DJ. 1999. Definitions of efficiency. British medical journal., 318: 1136
- 12) Morris, S., Devlin, N., Parkin, D. 2012 Economic Analysis in Health Care. John Wiley & Sons: Chichester.
- 13) Drummond, MF., Sculpher, MJ., Claxton, K., Stoddart, GL., Torrance, GW. 2015 Methods for the Economic Evaluation of Health Care Programmes (4th Edition). Oxford Medical Publications.
- 14) Arrow, KJ. 1963. 'Uncertainty and the Welfare Economics of Medical Care'. American Economic Review ;53:941–973.
- 15) Gray, AM., Clarke, PM., Wolstenholme, JL., Wordsworth, S. 2011. Applied methods of cost-effectiveness analysis in health care. Oxford University Press: Oxford.
- 16) Walker, S., Sculpher, M., and Drummond, M. 2011, 'The Methods of Cost-Effectiveness Analysis to Inform Decisions about the Use of Health Care Interventions and Programmes' (Sections 31.5 to 31.6) in The Oxford Handbook of Health Economics. Oxford University Press : Oxford.
- 17) Drummond, MF., Sculpher, MJ., Claxton, K., Stoddart, GL., Torrance, GW. 2015 Methods for the Economic Evaluation of Health Care Programmes (4th Edition). Oxford Medical Publications.
- 18) Walker, S., Sculpher, M., and Drummond, M. 2011, 'The Methods of Cost-Effectiveness Analysis to Inform Decisions about the Use of Health Care Interventions and Programmes' (Section 31.7) in The Oxford Handbook of Health Economics. Oxford University Press : Oxford.
- 19) Walker, S., Sculpher, M., and Drummond, M. 2011, 'The Methods of Cost-Effectiveness Analysis to Inform Decisions about the Use of Health Care Interventions and Programmes' (Section 31.9) in The Oxford Handbook of Health Economics. Oxford University Press : Oxford.
- 20) Drummond, MF., Sculpher, MJ., Claxton, K., Stoddart, GL., Torrance, GW. 2015 Methods for the Economic Evaluation of Health Care Programmes (4th Edition). Oxford Medical Publications.

Open Elective Paper

Paper No: 1

HUMAN DEVELOPMENT

Preamble:

In most of the corporate bodies, the training and extension activities are integral part of the business enterprises. Most of the post-graduate students find an employment opportunity in such corporate bodies. With this intension our students should learn the bases of the HRD.

Unit-1.Human Capital: (15 Periods)

- (A) Human capital – innate and acquired, Human capital formation – social, economic and political determinants
- (B) Distinction between Human Resource Development (HRD) and Human Development (HD)

Unit-2.Human Development and Capability Approach: (15 Periods)

- (A) Capabilities and freedoms, Criteria for selecting capabilities
- (B) Introduction to other attempts, Critique of the Capability Approach

Unit-3.Comparing the Approaches and Components of Human Security (15 Periods)

- (A) Commodity-based system and utility approach, Quality of Life,
- (B) Economic security, Food security, Health security
- (C) Environmental security, Personal security, Community security
Political security

Unit-4: Measurement of Human Development: (15 Periods)

- (A) Need for indices –Earlier indices – Physical Quality of Life Index (PQLI), Disability Adjusted Life Years (DALYs),
- (B) Emergence of Human Development Index
 - (i) Method of computing HDI
 - (ii) Critique of HDI
- (C) Other indices :
 - (i) Human Poverty Index (HPI I / HPI II)
 - (ii) Gender-related Development Index (GDI)
 - (iii) Gender Empowerment Measure (GEM)

BASIC READING LIST:

- 1) Aghion, P., E. Caroli, and C. Garcia-Penalosa, 1999, 'Inequality and Economic Growth: The Perspective of the New Growth Theories', *Journal of Economic Literature*, 37 (3).
- 2) Ahmad, E., J., Dreze, J. Hills and A. Sen (eds.), 1991, *Social Security in Developing Countries*, Clarendon Press for Wider, Oxford.
- 3) Ahn, T. K., Ostrom, E., (eds.), 2003, *Foundations of Social Capital*, Edward Elgar Publishing Ltd., Cheltenham, U. K.
- 4) Aksah, M. M., 2000, 'Rights Based Approach to Development and Right to Land', Background Paper for HDR, 2000, UNDP, New York.
- 5) Alderman, Harold, 2002, *Gender Dimensions of Safety Nets*, The World Bank, Washington D.C., <http://w.w.worldbank.org/wbi/socialsafetynets/courses/dc2002/index.html>.
- 6) Alesina, Alberto, and Roberto Perotti, 1994, 'The Political Economy of Growth: A Critical Survey of the Recent Literature', *World Bank Economic Review*, 9 (3).
- 7) Anand S. and S.M.R., Kanbur, 1993, 'Inequality and Development: A Critique' *Journal of Development Economics*, 41 (1).
- 8) Bardhan, Pranab, 1993, 'Symposium on Democracy and development', *Journal of Economic Perspectives* 7(9).
- 9) Chenery, H. and M. Ahluwalia, 1974, *Redistribution with Growth*, Oxford University Press, London.
- 10) Chenery, H. and T. N. Srinivasan (eds.), 1988-1989, *The Handbook of Development Economics*.
- 11) Dasgupta, Partha and Martin Weale, 1992, 'On Measuring the Quality of Life', *World Development* 20(1).
- 12) DasguptaSukti, 2002, *Organizing for Socio-Economic Security in India*, International Labour Organisation, Geneva.
- 13) Evans, P., 1996, 'Government Action, Social Capital and Development: Reviewing the Evidence on Synergy', *World Development*, 24(6).
- 14) Field, J., 2004, *Social Capital*, Routledge, London and New York.
- 15) Fukuyama Francis, 1995, 'Social Capital and the Global Economy', *Foreign Affairs* 74(5).
- 16) Hooghe, M., D. Stolle (eds.), 2003, *Generating Social Capital: Civil Society and Institutions in Comparative Perspective*, Palgrave, New York.
- 17) Huntington, Samuel, 1987, 'The Goals of Development', in Myron Weiner and Samuel P. Huntington, (eds.), *Understanding Political Development*, Little Brown and Com., Boston.
- 18) Kakwani, N., 1993, 'Performance in Living Standards: An International Comparison', *Journal of Development Economics*, 41(2).
- 19) Larrain, J., 1989, *Theories of Development: Capitalism, Colonialism and Dependency*, Polity Press, Cambridge.
- 20) Lewin, W. Arthur, 1955, *The Theory of Economic Growth*, Irwin, Homewood, IL.
- 21) Nussbaum Martha and AmartyaSen (eds.), 1991, *The Quality of Life*, Oxford University Press, Oxford.
- 22) Ranis, Gustav, Frances Stewart and Alejandro Ramirez, 2000, 'Economic Growth and Human Development', in Sakiko Fukuda-Parr and A. K. Shiva Kumar (eds.), *Readings in Human Development: Concepts, Measures and Policies for a Development Paradigm*, Oxford University Press, New Delhi.
- 23) Ray, Debraj, 1998, *Development Economics*, Princeton University Press, Princeton.
- 24) Sen, Amartya, 1988, 'Capability and Well-being, WIDER Conference paper.
- 25) Sen, Amartya, 1988, 'Freedom of Choice: Concept and Content', *European Economic Review*, 32
- 26) Streeten, Paul, Shahid Javed Burki, Mahbulul-Haq, Norman Hicks, and Frances Stewart, 1981, *First Things First: Meeting Basic Human Needs in Developing Countries*, Oxford University Press, New York.
- 27) Streeten, Paul, 2003, 'Shifting Fashions in Development Dialogue', in Sakiko Fukuda-Parr and A. K. Shiva, Kumar (eds.), *Readings in Human Development*:

Open Elective Paper
Paper No: 2
ECONOMICS OF TRANSPORT

Preamble

Transport and communication is known as the backbone of modern industrial infrastructure. The efficiency, spread and its access to productive agents of such facilities determines the competitiveness of the industrial sector. The transport modes like road, water, air and rail and their development have played an immense role in the economic development. Every mode of transport has its merits and limits which calls for coordinate development of these modes in future.

Unit1: Introduction of Transport **(12 Periods)**

- (A) Meaning of transport–
- (B) Classification of transportation–
- (C) Functions of transport–

Unit 2: Road Transport: **(12 Periods)**

- (A) Road Transport: Nature and significance –
- (B) Private and public transport system-
- (C) Road development in India –
- (D) Rural and Urban Transport -
- (E) MSRTC

Unit 3: Indian Railway: **(12 Periods)**

- (A) Growth of Indian Railway during Post Independence period -
- (B) Theories of Railway Rates and Fares –
- (C) Classification of goods –
- (D) Railway Budgets (Recent two)-

Unit 4: Water Transport : **(12 Periods)**

- (A) Water Transport: Scope and significance –
- (B) Growth of water transport in India –
- (C) Inland and ocean transport -
- (D) Problems of water transport

Unit 5: Air Transport: **(12 Periods)**

- (A) Nature and Significance of Air Transport–
- (B) Air Transport: Elements of Air Transport –
- (C) Civil Aviation in India:

BASIC READING LIST

1. Aboncher Allan (1976), Transportation Economics and Public Policy with Urban Extension, WileyInter Science Publishing, New York.
2. Denis Munby (Ed.), Transport – Selected Reading s- Penguin Books.
3. Innon and Toreifel (Ed.) (1967), Developments in Transport Theory, Academic Press, London.
4. Johnson, Economics of Indian Rail Transport.
5. Kosler, H. M., The Economics and Control of Road Rail Competition.
6. Locklin, D. P.: Economics of Transport
7. Nanjundappa, D. H. (1973), Transport Planning and Finance, KarnatakaUniversity.
8. Nawab, K. W. (1967), Economic Development of Indian Air Transport, National Publishing House.
9. Pegrum, D. F. (1968), Transportation Economics and Public Policy, Irwin Series in Economics.
10. Prest, A. R., Transportation Economics in Developing Countries
11. R. N. Kshirsagar, Vahatuk: SiddhanthVaVikas, Maharashtra Vidyapeeth Granth Nirmiti Mandal, Nagpur.
12. S. K. Choudhary (1967) Lectures on Transport, Lyall Book Depot.
13. Savage, C. I.(1970), An Economic History of Transport, HutchinsonUniversity Library.
14. Shankar KeshavModak, AAdhunikParivahanacheAAarthshastra, Maharashtra Vidyapeeth Granth Nirmiti Mandal, Nagpur.
15. Sharp, C. H. (1973), Transport Economics, Macmillan.
16. Shrivastan, S. K., Economics of Transport
17. Tripathy, P. C. (1972), Rural Transport and Economic Development, S. Chand& Sons.

Practical/ Field Work

Paper No: 1

Total Marks: 100

(Practical Work Report = 80 Marks and
Written and Oral Examination: 20 Marks)
Teaching/Practical Workload: 4 Hours Per Week

(Practical work Based on Secondary Source of Data by using MS Excel Software)

The Student shall produce the report for assessment on following information by using **MS Excel Software** before the University Theory examination.

Unit 1: Application of MS Excel Software: (15 Periods)

The Student shall apply statistical techniques for Economic Parameters by using following data base with the help of **MS Excel Software**. In the Ms Excel Software, student shall use the Excel Functions, Excel Sheets, Excel Charts and Data Transfer from Excel.

Unit 2: Data Base – I : (15 Periods)

The Student shall use any 2/3 sources of following secondary data base for report.

1. Economic Survey of India,
2. Economics Survey of Maharashtra,
3. National Sample Survey Organisation (NSSO)

Unit 3: Data Base – II : (15 Periods)

The Student shall use any 2/3 sources of following secondary data base for the report.

1. Population Census,
2. District Statistical Report,
3. Various Report of Institutions, Banks, Industry, etc.

Unit 4: Application of Statistical Techniques: (15 Periods)

The Student shall apply following statistical techniques for Economic Parameters of **Indian Economy** such as Agricultural Sector, Industrial Sector, and Service Sector etc. by using secondary data base from above mentioned data sources for the report with the help of MS Excel Software. Descriptive Statistics, Correlation Analysis, Regression Analysis, Growth Rates, Index Numbers, Time Series Data and Graphical Presentation for different type of data.

Practical/ Field Work
Paper No: 2

Total Marks: 100

(Practical Work Report = 80 Marks and
Written and Oral Examination: 20 Marks)
Teaching/Practical Workload: 4 Hours Per Week

SPSS Base Practicals
(for Primary and Secondary Data)

Unit 1: Data Entry in SPSS **(15 Periods)**

1. Define Variable
2. Sort Variable and Cases
3. Validation of data
4. Transpose data

Unit 2: Coding, Recoding and Compute Variables **(15 Periods)**

1. Coding the variables
2. Recoding the variables
3. Codebook Report
4. Compute Variable

Unit 3: Discriptive Statistics, Frequency and Crosstabs **(15 Periods)**

1. Discriptive Statisites
2. Frequency Distribution
3. Crosstabulation
4. Graphical Presentation

Unit 4: Correlation, Regression and Output Files **(15 Periods)**

1. Linear Correlation
2. Linear Regression
3. Time Series Data
4. Output files
5. Sentex

Tutorial
Total marks- 25
(practical work based Tutorial)

1. **Book Review**
2. **Research Paper Review**

SEMESTER FOUR

Hard Core Paper

Paper No: 1

INTERNATIONAL TRADE AND FINANCE

Preamble

The course provides an understanding of international trade and investment theories. It is designed to better understand the implications of such theories as they relate to international trade management. It helps students deal with the opportunities and challenges created by the global environment.

Unit-1. International Trade and Theory : (15 Periods)

- (A) Trade as an engine of growth, Measurement of gains from trade,
- (B) Free Trade Theory, Absolute advantage, comparative advantage & opportunity cost, Modern theories of international trade
- (C) H-O Theory, Kravis & Linder theory of trade.

Unit-2. Tariff, Quotas and Balance of Payment: (15 Periods)

- (A) Tariff, Quotas & non-tariff barriers: Definitions & types, Economic effects of Tariff & Quotas on national income, output & employment,
- (B) Political economy of non, tariff barriers and their implication.
- (C) Balance of Payments and Balance of Trade: Meaning & components, BOP Adjustment: Monetary approach, Exchange Rate: meaning & components

Unit-3. Theories of Exchange Rate Determination : (15 Periods)

- (A) Theories of Determination of Exchange rate (PPP, Monetary), Theories of Determination of Exchange rate
- (B) Process of adjustments : Gold standard, Fixed Exchange Rates
- (C) Flexible Exchange Rates, Merits & demerits of Fixed & Flexible exchange rate.

Unit-4. International Organizations: (15 Periods)

- (A) SAARC/SAPTA, ASEAN, Regionalism: EU & NAFTA,
- (B) Multilateralism & WTO, International Monetary System, East Asian crisis
- (C) FDI : types & issues, International Debt crisis, Functions of WTO/GATT, UNCTAD, IMF, World Bank & Asian Development Bank

BASIC READING LIST

- 1) Paul R. Krugman & Maurice International Economics: Theory and Policy - Obstfeld Pearson Education Singapore
- 2) Salvatore, D. (2006). International Economics. London, United Kingdom: MacMillan Press Ltd.
- 3) Finance and International Trade, Institute of Export, 2nd Edition 2001
- 4) Carbugh, R , J. (2019). International Economics. Noida, Uttar Pradesh: CengageLearning.
- 5) Principles of International Trade and Payments, Briggs .P, Blackwells 1st Edition 1994
- 6) Chacholiadas, M. (1980). International Trade: Theory and Policy. New York City, United States: McGraw Hill Inc.
- 7) Copeland, L. (2008). Exchange rates and International Finance.
- 8) Finance of International Trade, Watson A.J.W, Bankers Books 5th Edition 1997
- 9) Dutt, R., & Sundaram. (2016). Indian Economy. Ghaziabad, New Delhi: S Chand & Co.
- 10) International Business, Bennett R (1999), 2nd Edition, Financial Times, Prentice Hall
- 11) Dictionary of International Business Terms, Capela J, Barron's Business Dictionaries
- 12) Apte P.G., International Financial Management, Tata McGraw Hill, 2008. 2. Jeff Madura, International Corporate Finance, Cengage Learning, 8th Edition, 2008.
- 13) Alan C. Shapiro, Multinational Financial Management, PHI Learning, 4th Edition, 2008
- 14) Finance of Foreign Trade and Foreign Exchange: G.S. LALL
- 15) International Finance Theory and Practice: V.A.AVADHANI
- 16) Foreign Trade Finance: JEEVANANDAM
- 17) V.K. Bhalla, - S. Chand & Company Pvt. Ltd. New Delhi. International Business
- 18) K. Aswathappa, International Business, Tata McGraw Hill Publishing Company Limited.New Delhi
- 19) Charles W. L. Hill, Chow How Wee & Krishna Udayasankar, International Business: An Asian Perspective- Mc Graw Hill, New York.
- 20) Soderston, B., & Reed, G. (1994). International Economics. London, United Kingdom: MacMillan Press Ltd.

Hard Core Papers**Paper No: 2****ECONOMICS OF GROWTH AND DEVELOPMENT****Preamble**

This paper deals with the theories of growth and development, social and institutional aspects of development, importance of agriculture, and the rationale and pattern of industrialization in developing countries. The other important issues in the context of developments such as infrastructure-linkages, role of international trade, importance of domestic macroeconomic policies, investment criteria, and relevance of planning have been included in the paper.)

Unit-1. Economic Growth: (15 Periods)

- (A) Economic growth and development , Factors affecting economic growth
- (B) Growth Model- Harrod and Domar model, Neo-classical growth models – Solow Capital controversy, optimal savings and Ramsay's rule; golden rule of accumulation,
- (C) Technological progress – embodied and disembodied technical progress;

Unit-2. Theories of Development: (15 Periods)

- (A) Classical theory of development – contributions of Ricardo, Karl Marx – theory of social change, surplus value and profit.
- (B) Balanced growth, unbalanced growth, critical minimum effort thesis, low-income equilibrium trap;
- (C) Vicious circle of poverty, circular causation,

Unit-3. Social and Sectoral Aspects of Development: (15 Periods)

- (A) Choice of techniques and appropriate technology and employment;
- (B) Terms of trade between agriculture and industry; Measuring development and development gap – Kuznet curve -
- (C) Human development index and other indices of development and quality of life
- (D) Theory of demographic transition

Unit-4. Macroeconomic Policies and Development: (15 Periods)

- (A) Role of monetary and fiscal policies in developing countries –
- (B) Role of fiscal policies in developing countries
- (C) Inclusive Growth Washington, Consensus, Decentralization.

BASIC READINGS

- 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 Economics*, Vol. 3, Elsevier, Amsterdam.
- 3) Brown, M. (1966), *On the Theory and Measurement of Technical Change*, Cambridge University Press, Cambridge, Mass.
- 4) Chenery, H. B. et. Al. (Eds.) (1974), *Redistribution with Growth*, Oxford University Press, Oxford.
- 5) Chenery, H. and t. N. Srinivasan (Eds.) (1989), *Handbook of Development Economics*, vols. 1 & 2, Elsevier, Amsterdam.
- 6) Dasgupta, P. (1993), *An Enquiry into Well-being and Destitution*, Clarendon Press, Oxford.
- 7) Ghatak, S. (1986), *An Introduction to Development Economics*, Allen and Unwin, London.
- 8) Gillis, M., D. H. Perkins, M. Romer and D. r. Snodgrass (1992), *Economics of Development*, (3rd Edition), W. w. Norton, New York.
- 9) Gimmell, N. (1987), *Surveys in Development Economics*, Blackwell, Oxford.
- 10) Higgins, B. (1959), *Economic Development*, W. w. Norton, New York.
- 11) Hogendorn, J. (1996), *Economic Development*, Addison, Wesley, New York.
- 12) Kahkonon, S. and M. Olson (2000), *A New Institutional Approach to Economic Development*, Vistaar.
- 13) Kindleberger, C. P. (1977), *Economic Development*, (3rd Edition), McGraw Hill, New York.
- 14) Meier, G.M. (1995), *Leading Issues in Economic Development*, (6th Edition), Oxford University Press, New Delhi.
- 15) Myint, Hla (1965), *The Economics of Underdeveloped Countries*, Preager, New York.
- 16) Myint, H. (1971), *Economic Theory and Underdeveloped Countries*, Oxford University Press, New York.
- 17) Todaro, M. P. (1996), (6th Edition), *Economic Development*, Longman, London.
- 18) Thirwal, A. P. (1999), (6th Edition), *Growth and Development*, Macmillan, U. K.
- 19) Barrell, R., G. Mason and M. O. Mahoney (2000), *Productivity, Innovation and Economic Performance*, Cambridge University Press, Cambridge.
- 20) Barrow, R. and X. Sela-I, Martin, *Economic Growth*, McGraw Hill, New York.
- 21) Chakravarti, S. (1982), *Alternative approaches to the Theory of Economic Growth*, Oxford University Press, New Delhi.
- 22) Hayami, Y. (1997), *Development Economics*, Oxford University Press, New York.
- 23) Meadows, D. H. et. al. (1972), *The Limits to Growth*, Universe Books, New York.'
- 24) Sen, A. K. (Ed.) (1990), *Growth Economics*, Penguin, Harmondsworth.
- 25) Solow, R. M. (2000), *Growth Theory: An Exposition*, Oxford University Press, Oxford.
- 26) Taylor, L. (1979), *Macro Models for Developing Countries*, McGraw Hill, New York.
- 27) Therberge, J. D. et. al. (1968), *Economics of Trade and Development*, John Wiley, New York.
- 28) Dasgupta, P. (1993), *An Enquiry into Well-being and Destitution*, Clarendon Press, Oxford.
- 29) Hirsch, A. O. (1958), *The Strategy of Economics Development*, Yale University Press, New York.

Hard core papers
Paper No- 03
Monetary Economics

Preamble:

This paper analyses the significant role of 'Money' in the economy. It provides essential and thorough knowledge to the economics students relating to the theoretical aspects of money. It covers various approaches towards evolution of money, demand for money, supply of money, and rate of interest, inflation, agencies which create and supply money and operate monetary policy. The paper also deals with Keynesian and post-Keynesian economics, which is a most essential part of the monetary economics. Since reforms introduced in financial sector, many new concepts have emerged in this sector. For the students of economics it is essential to understand and analyse these new concepts as well as monetary forces and real forces, their developmental role and limitations in shaping and influencing the monetary and related policies both at the national and international level.

Unit-1. Evolution of Money and Supply of Money (15 Periods)

- (A) Stock & Flow concept of money – Functions of Money – Liquid and illiquid asset – Money and capital. Constituents –
- (B) Behavioural model of money supply determination, demand determined supply of money; Measurement – Base Money and Reserve Money – High power money – Money multiplier –
- (C) Monetary targeting – Inflation targeting – Interest rate targeting – Factors affecting money supply.

Unit-2. Demand for money: (15 Periods)

- (A) Approaches – Cash transaction and cash balance –
- (B) Liquidity preference
- (C) Milton Friedman and Don Patinkin's contribution.

Unit-3. Classical and Keynesian income determination theories and Rate of Interest (15 Periods)

- (A) Consumption function – Multiplier – Acceleration – super multiplier – Investment function.
- (B) Rate of interest and macro economic equilibrium and employment equilibrium – IS-LM Model
- (C) Determinants of rate of interest – Interest rate modeling – Term structure of Interest rates

Unit-4. Monetary and non-monetary theories of inflation and Stabilization Policy (15 Periods)

- (A) Phases of trade cycle
- (B) Theories of trade cycle: Hawtrey, Hayek, Schumpeter, and Keynes – Anti-cyclical policy. Objectives and limitations –
- (C) Stabilization policy: objectives and limitations.

BASIC READING LIST

- 21) Keynes, J. M., General Theory of Employment, Interest and Money.
- 22) A. E. A., Readings in Monetary Theory
- 23) Halm, G. N., Monetary Economics
- 24) Einzing, P., Monetary Policy: Ends & Means
- 25) Newlyn, W. E., theory of Money
- 26) Chandler, L. V., Economics of Money and Banking.
- 27) Scammel, W. M., International Monetary Policy
- 28) Sen, S. N., central Banking in Underdeveloped Money Markets
- 29) H. Johnson, Essays in Monetary Theory
- 30) Don Patinkin, Money, Interest and Prices
- 31) Shaw, E. S., Money, Income and Monetary Policy
- 32) A. C. L. Day, An Outline of Monetary Economics
- 33) M. Friedman, Essay on Money
- 34) M. L. Sheth, Monetary Economics
- 35) Ghosh, B. N. & Ghosh Rama, Monetary Economics
- 36) Harris, L., Monetary Theory
- 37) J. D. Von Pischke, Finance at the Frontier: Debt, Capacity and Role of Credit in Private Economy
- 38) RBI Reports
- 39) World Bank Reports
- 40) IMF Reports
- 41) Friedman M, Essays on Money
- 42) Bhole, L. M., Financial Institutions and Markets: Structure, Growth and Innovation

Soft Core / Elective Paper
Paper No: 1
PRINCIPLES & PRACTICE OF CO-OPERATION

Unit 1:Introduction : **(12 Periods)**

- (A) Meaning of co-operation,
- (B) Role of Cooperation in a dynamic competitive economy
- (C) Evolution of principles and values of cooperation

Unit 2: Development of Co-operative Movement : **(12 Periods)**

- (A) Review of Development of cooperative movement in the world
- (B) Development of cooperative movement in India
- (C) Development of cooperative movement in Maharashtra

Unit 3:Co –operative Credit Structure in India : **(12 Periods)**

- (A) Structure of Co-operative credit supply in India
- (B) Progress and problems of Primary Agricultural Credit Co-operative Societies
- (C) Progress and problems of Primary District Central Co-operative Banks
- (D) Progress and problems of State Co-operative Banks
- (E) Progress and problems of Urban Co-operative Banks
- (F) Restructuring of Co-operative Credit – Vaidyanathan Committee Report
- (G) Recommendations of ShivajiraoPatil Committee

Unit 4:Non creditCo-operatives Organization, progress & problems of the following non – credit Co-operatives : **(12 Periods)**

- (A) Processing Co–operatives
- (B) Agriculture Co–operative marketing Societies
- (C) Consumer’s Co–operatives
- (D) Housing Co-operatives
- (E) Labour Co–operatives

Unit 5: Co-operation & Planning : **(12 Periods)**

- (A) Role of Co- operative movement in the planning process.
- (B) Professionalization of Co-operative management.
- (C) Co-operative Governance in Co-operatives
- (D) Challenges of Globalization before Co-operative movement in India

Basic Reading List :

1. Bedi R.D. Theory, History and Practice of Co – operation with reference to co – operation in foreign countries.
2. Matur B.S. Co – operation in India, SahityaBhavan Agra. (Latest edition)
3. Hejela T.N. Principles, Problems & Practice of co operation ShivalalaAgarwal Publication, Agra 1985.
4. NABARD – Statstical Statement Relating to the co operative movement in India Part I & II.
5. R. Salvaraju, Vikas Publication House, New Delhi (2000)
6. Raikhelkar – Dange, Co operation : Principles &Practive, Mehta Publication House, Pune (Marathi).
7. ShahaRoopa – Damji B. H., Cooperation – Principles and Movement, PhadkePrakashan, Kolhapur.(Marathi)
8. Kamat G.S. Co operation : Principles, Practice & Management, Maharashtra University Book Publication, Nagpur (Marathi)
9. Maharashtra Co operative, Maharashtra State co operative Federation – Pune.

Soft Core / Elective Paper
Paper No: 2

ECONOMICS OF INDUSTRY AND LABOUR

Unit 1: Labour Market : **(15 Periods)**

- (A) Nature and Characteristics of labour markets in developing economies like India,
- (B) Paradigms of labour market, classical, neo-classical and dualistic,
- (C) Analysis of Demand and Supply forces, Demand for labour relating to size and pattern of investment,
- (D) Choice of technology and government labour policies, orientation, supply of labour in relation to growth of labour force, Labour market Policies.

Unit 2: Wage Determination - I : **(15 Periods)**

- (A) Theory and Practice : Various Classical, neo-classical and
- (B) Bargaining theories of wage determination,
- (C) Various concepts of wages-fair, living and minimum,
- (D) Problems of implementation of minimum wages.

Unit 3: Wage Determination - II : **(15 Periods)**

- (A) Wage determination by Sectors, Urban and Rural,
- (B) Organized wage and non-wage components of labour remuneration,
- (C) Wage and Inflation, productivity and Wage relationship,
- (D) Labour productivity and wage relationship.

Unit 4: Industrial Relations and Trade Unions : **(15 Periods)**

- (A) Growth of Industrialization and emergence of unionism,
- (B) Theories of Labour Movement, Growth, Structure and pattern of trade unionism in India,
- (C) Determinants of Industrial Disputes, Steps to achieve industrial peace, Methods of Settlement of Industrial disputes,
- (D) Collective bargaining, conciliation, arbitration, labour participation in management,
- (E) Labour Welfare Practices in India.

Basic Reading List :

1. Ahluwalia, I.J. (1985), *Industrial Growth in India*, Oxford University Press, Delhi.
2. Andrews, P. and T. Wilson, Eds. (1951), *Oxford Studies in the Price Mechanics*, Oxford University Press, London.
3. Bagchi, A. and M. Banerjee, Eds. (1979), *Change and Choice in Indian Industry*, Bagchi Publications, Calcutta.
4. Bain, Joe (1967), *Industrial Organization*, 2e, John Wiley, New York.
5. Barthwal, R. (1984), *Industrial Economics*, 2e, Willey Eastern Limited, New Delhi.
6. Berte, A. and G. Means (1933), *Modern Corporation and Private Property*, Macmillian, New York.
7. Bhagwati, J. and P. Desai (1972), *India : Planning for industrialization*, Oxford University Press, London.
8. Brahmananda, P.R. and V.R. Panchamukhi, Eds. (1987), *The Development Process of Indian Economy*, Himalaya Publishing House, Bombay.
9. Clarkson, K.W. and R Miller (1985), *Industrial Organization : Theory, Evidence and Public Policy*, McGraw Hill, Kogakusha, Tokyo.
10. Das, N. (1969), *The Public Sector in India*, Vora and Company, Bombay.
11. Das, N. (1960), *Employment, Full Employment and India*, Asia Publishing House, Bombay.
12. Dasgupta, P.S. Marglin and A. Sen (1972), *Guidelines for Project Evaluation*, UNIDO Publications, New York.
13. Deshpande, L.K. and J.C. Sandesara, Eds. (1970), *Wage Policy and Wage Determination in India*, Bombay University Press, Bombay.
14. Deshpande; L.K., P.R. Brahmananda and E.A.G. Robinson, Eds. (1983), *Employment Policy in a Developing Economy*, Vols. I & II, Macmillian, London.
15. Devine, P.J. et. Al. (1978), *An Introduction to Industrial Economics*, 3e, George Allen and Unwin, London.
16. Dhar, P.N. and H.F. Lydall (1961), *The Role of Small Enterprises in Indian Economic Development*, Asia Publishing House, Bombay.

Practical/ Field Work

Paper No: 1

Total Marks: 100

(Report Writing = 80 Marks and
Written and Oral Examination: 20 Marks)
Teaching/Practical Workload: 4 Hours Per Week

Analysis of Primay/ Secondary Data

(Report Based on Study Tour/ Industrial Visits/ Field Visits)

Unit 1: Demographic Data

(15 Periods)

1. Population at Glance
2. Age and Structure of Population
3. Household data
4. Social Categaroywise Analysis

Unit 2: Economic Suvey of India

(15 Periods)

1. Public Finance
2. Agriculture Sector
3. Industurial Sector
4. Service Sector
5. Infrastructure
6. Human Development

Unit3: Economic Suvey of Maharashtra

(15 Periods)

1. Agriculture Sector
2. Industurial Sector
3. Service Sector
4. Infrastructure

Unit 4: Field Visit/ Industrial Visit /Study Tour

(15 Periods)

1. Visits to Study Area
2. Industiral Visits
3. Field Visits
4. Visits to Academic Institution

Practical/ Field Work (Dissertation)

Paper No: 2

Total Marks: 100

(Disserataion = 80 Marks and Written
and Oral Examination: 20 Marks)

Teaching/Practical Workload: 4 Hours Per Week

DISSERTATION

Unit 1: Introduction and Objectives (15 Periods)

1. Select the topic
2. Define the topic
3. Introduction of topic
4. Significance of the Study
5. Write the Objectives

Unit 2: Review and Research Methodology (15 Periods)

1. Literture Review
2. Formulation of Hypothesis
3. Research Design
4. Select a Sample for Study

Unit 3: Data Analysis (15 Periods)

1. Collection the data
2. Process the data
3. Tabulation and Figures
4. Analyze the data
5. Present the results

Unit 4: Editing and Writing (15 Periods)

1. Editing the Data
2. Writing Chapters
3. Bibliography
4. Annexure