

Solapur University, Solapur

M. Phil. Course in Economics

Paper -I (Compulsory)

Research Methodology and Computer Applications

1. Meaning , Research and scientific attitude, research in pure and social sciences, basic principles of research : Theory, Facts and Concepts, Qualities of a good researcher.
2. Types of Research: Descriptive, Analytical, Applied, Fundamental, Quantitative, Qualitative, Conceptual, Empirical, Case Study and Survey Method.
3. Research Process: Finding and Formulating Research Topic; Setting Research Objectives / Questions, Reviewing Relevant Literature.
4. Sample Design: Meaning of Census and Sample and Types of Sample Design; deliberate sampling, simple random sampling, systematic sampling, Stratified sampling, Quota sampling, Cluster and area Sampling, Multi stage sampling Procedures.
5. Collection of Data: Collection of Primary Data: Questionnaires, Interview Schedules, Observation Method, Collection of Secondary Data: Historical Documents, Archival Material, Published Sources, Journals, Internet Sources, Census, NSS and Statistical Reports.
- 6 Hypothesis, Null Hypothesis, Alternative Hypothesis, and Testing of hypothesis.
7. Descriptive Statistics: Arithmetic Mean, Median, Mode, Standard Deviation and Coefficient of Variation
8. Correlation and Regression: Karl Pearson's Coefficient of Correlation Spearman's Rank Coefficient of Correlation. Types of regression, Two lines of Regression, Equations, Multiple Regression Analysis.
9. Diagrammatic Presentation of Data : (i) Line Graph, (ii) Bar Diagram, (iii) Pie Chart, (iv) Histogram (v) Frequency Polygon, (vi) Ogive Curve
10. Introduction to Computer System, Input and Output Devices: Basic components of computer - CPU, Hardware and Software, Input Devices, Output Devices, Secondary Storage Devices, Operating System and Internet
11. Application of Software: Microsoft Excel: Excel Main menu, Worksheet structure, rows and columns, Excel Commands, Data Analysis. SPSS: Data Entry, Define variable, Frequency Distribution, Cross tabulation, Descriptive Statistics, Correlation Analysis, Linear Regression .

References:

1. Baily K.D, 1982, Methods of Social Research Free press, New York.
2. Bajpai S.R. 1969. Social Survey and Research. Kanpur: Kitab Ghar.
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, Longman. Indian Journal of Social work 1985, Special issue of Research Methodology 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. Delimitas 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 Field, New Delhi.Oxford.
14. Young Papuline V. 1946. Scientific, Social Survey and Research. New York. Prentice Hall.

Paper – II (Compulsory)

Advanced Theories in Economics

1) Theory of Demand:

Indifference curve technique and their application, Income, Substitution and Price Effects, Revealed preference theory, Hicks' Revised Theory of Demand, Price, Income and Cross Elasticity of Demand.

2) Theory of Production and costs.

Meaning and Importance of Factors of Production, The Isoquant -Isocost Approach, Scale of Production, Euler's theorem, Production Possibility Curve and Production function, Technical progress and production function, Cobb-Douglas production function, Cost and Cost Curves.

3) Market Structures:

Monopolistic competition: Chamberlain's Approaches to equilibrium, equilibrium of the firm and the group with product differentiation, Critical evaluation of Chamberlain's and Mrs. Robinson's contribution. Oligopoly: Collusive oligopoly- Cartels and price leadership models. Non collusive oligopoly- Bertrand, Edgeworth, Chamberlains models, kinked demand curve.

4) Modern Theories of Firm:

Baumol's Sales Maximization Hypothesis, Static and Dynamic Models, Maximum rate of Growth and Profits Hypothesis of Marris, Managerial discretion Model of Williamson. Behavioral Model of Cyert and March Goals of Firm, Satisfying behavior of the firm, concept of workable competition.

5) Theories of Pricing:

Hall and Hitch report, Full cost pricing rule. Recent developments in Bain's limit pricing theory, Models of Sylos-Labini Franco Modigliani, Baumol's theory of contestable markets,

6) Neo-Classical, Keynesian and Post-Keynesian Economics:

Neo-classical and Keynesian views on interest, The IS-LM Model, extension of IS-LM model with government sector, Relative effectiveness of monetary and fiscal policies, Extension of IS-LM model with labour market and flexible prices.

7) Macroeconomics in the Open Economy:

IS-LM analysis for an open economy, The foreign trade multiplier, Fixed and flexible exchange Rates, Internal and External Balances, The Monetary approach to the balance of payments and sterilization.

8) Monetary and Fiscal Policy in the Open Economy:

The Mundell-Fleming Model, The case of Imperfect Capital Mobility and The case of Perfect Capital Mobility: Policy Under Fixed Exchange Rates, Policy Under Flexible Exchange rates.

9) Welfare Economics:

Criteria of welfare -Pareto, Hicks, Scitovsky, Arrows Impossibility Theorem ; A.K.Sen's Social Welfare Function ; Human Development Index ; Dr.Arjun Sengupta Report - An Action Programme for the Unorganised Sector

Reference:

1. Archibald, G.C. (Ed.) (1971), theory of the firm, Penguin, Harmondsworth.
2. Bain, J. (1958), barriers to New competitions, Harvard University Press, Harvard.
3. Baumol, W.J. (1982), Economic theory & Operations Analysis, Prentice Hall of India, New Delhi.
4. Da Costa, G.C. (1980), Production, Price & Distribution, Tata McGraw Hill, New Delhi.
5. Hansen, B. (1970), A survey of General Equilibrium Systems, McGraw : New York.
6. Healthfields & Wibe (1987), An Introduction to cost & Production Functions, Macmillan, Landon.
7. Hirshleifer, J & A. Glazer (1997), price theory & Applications, Prentice Hall of India, New Delhi.
8. Koutsoyiannis, A (1979), Modern Microeconomics (2nd edition), Macmillon Press, London.
9. Layard, P.R.G and A.W. Walters (1978), Microeconomic theory, McGraw Hill, New York.
10. Sen, A (1999), Microeconomics : Theory & Applications, OUP, New Delhi.
11. Stigler, (1996), Theory of Price (4th Edition) Prentice Hall of India, New Delhi.
12. Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.
13. Ackly, G. (1987), Macro Economics: Theory and Policy, Macmillan, New York.
14. Blackhouse, R. and A. Salansi (Eds) (2000), Macroeconomics and the Real World (2 vols), Oxford University Press, London.
15. Branson W. a. (1989), Macroeconomic Theory and Policy, (3rd Edition) Harper and Row New York.
16. Dornbusch , R. and F. Stanley (1997), Macroeconomics, McGraw Hill, Inc., New York.
17. Hall, R. F. and J. B. Taylor (1986), Macroeconomics, W. W. Norton, New York.
18. Heijdra, B. J. and V.Frederick (2001), Foundations of Modern Macroeconomics, Oxford University Press, New Delhi.
19. Jha. R. (1991), contemporary Macroeconomic Theory and Policy. Wilcy Eastem Ltd., New Delhi.
20. Romer, D.L. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd., New York.
21. Scarfe, B.L. (1977), Cycles, Growth and Inflation, McGraw Hill, New York.
22. Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi.

23. Friedman, M. (1956), *Studies in the Quantity theory of Money*, The University of Chicago Press, Chicago.
24. Frisch, H. (1983), *Theories of Inflation*, Cambridge University Press Cambridge.
25. Gordon, R. A. (1961), *Business Fluctuations*, Harper and Row.
26. Gordon R. and S.G. Harris (1988), *Macroeconomics*, Addison Wesley.
27. Gordon, R. A. and L. R. Klein (Eds.)(1965), *Readings in Business Cycles*, Irwin, Homewood.
28. Gordon, R. and S.G. Harries (1998), *Macroeconomics*, Addison Wesley, Massachusetts.
29. Gupta S.B. (1995), *Monetary Planning in India*, Oxford University Press, New Delhi.
30. Gurley J. and E.S. Shaw (1960), *Money in Theory of Finance*, Brooking Institution, Washington.
31. Hagger A. J. (1977), *Inflation: Theory and Policy*, Macmillan, London.
32. Hicks, J. R. (1950), *A Contribution to the Theory of Trade Cycles*, Clarendon Press, Oxford.
33. Hicks, J. R. (1974), *The Crisis in Keynesian Economics*, Oxford University Press, New Delhi.
34. Hudson, J. (1982), *Inflation: A Theoretical Survey and Synthesis*, George Allen and Unwin, London.
35. Jha, R. (1999), *Contemporary Macroeconomic Theory and Policy*, New Age International (P) Ltd. New Delhi.
36. Keynes J.M. (1936), *The General Theory of Employment, Interest and Money*, Macmillan, London.
37. Laidler, D.E W. (1977), *Demand for Money: Theory and Evidence*, Dum-Don Vally, New York.
38. Leijonhufvud, A. (1968), *On Keynesian Economics and Economics of Keynes*, Oxford University Press, London.
39. Lucas, R. (1981), *Studies in Business Cycle Theory*, M. I. T. Press, Cambridge, Massachusetts.
40. Mankiw, N. G. and Romer (EDS.) (1991), *New Keynesian Economics*, (2 Vols.), MIT Press, Cambridge.
41. Mckinen, G. E. (1978), *Money, The Price Level and Interest Rates*. Prentice Hall of India, New Delhi.
42. Muller M.G. (1966), *Readings in Macroeconomics*, Holt Rinehart and Winston, New York.
43. Patinkin, D. (1965), *Money, Interest and Prices*, Harper and Row, New York.
44. Rakshit, M. (1998), *Studies in the Macroeconomics of Developing Countries*, Oxford University Press, New Delhi.
45. Rao, V. K. R. V. (1983), *India's National Income: 1950 to 1980*, Sage Publications, New Delhi.

46. Reddy, Y.V. (2000), A Review of Monetary and Financial Sector Reforms in India – A Central Banker's Preventative, UBSPD, New Delhi.
47. Sheffrin, S. M. (1996), Rational Expectations, Cambridge University Press, Cambridge.
48. Taylor I. (1983), Structuralist Macroeconomics, Basic Books, New Longmen.
49. Tumovsky, S. J. (1977), Macroeconomic Analysis and Stabilization Policy, Cambridge.

Paper-III (Optional)

INTERNATIONAL TRADE AND FINANCE

1. International Trade – Theoretical analysis.

Comparative Cost Theory – Ricardo, Marshall, Ohio, Graham's Theory, Trade and Development, Trade Liberalisation and Economic Growth, Export Led Growth and developing Countries.
2. Gains from International Trade :

Terms of Trade, Free Trade and Less Developed countries, International commodity Trade and Developing Nations Reduction of Tariff and Non tariff Barriers, Dumping, Free Trade and Domestic prices, Transmission of New Technology Through International Trade, Role of MINCs, globalisation and Gains from trade and LDCs.
3. Globalisation and Labour Mobility :

Labour migration, Brain Drain, WTO and Labour Laws, Emigration laws, Legislation and discrimination, Emigration and inflow of foreign exchange.
4. International Capital Movements :
Role of foreign capital, Foreign capital flows from developed to developing nations, Growth and Composition, International Debt crisis, Foreign Debt inflow, Globalisation and changing pattern of Foreign Capital Movements, Emergence of Foreign Direct Investments, Portfolio investments, Global Depository Receipts, Volatility Problem, Review of Experience of East Asia Nations, Pattern of Inter capital Movement into India, Euro Currency, Foreign Exchange Markets.
5. Recent Trends in Trade and Tariff Policies :

Free trade and Protection, Bilateralism and Multi lateralism, GATT and WTO Agreements, International Commodity Agreements, Trade Policy of Developing Countries : Issues before WTO Agreement, Regional Trade Agreements, EU, NAFTA, SAARC experience, Global Commodity Chains and Export Networks, Globalisation and Tariff and Non Tariff Barriers, Developed and Developing Nations Approach, Taxation of International Capital Movements.
6. International Financial Arrangements :

Exchange rate policy, Partial and Full convertibility of Currency, Indian Experience, Approach, Role of International Financial Institutions : IMF, IBRD, IFC, IDA, ADB, Currency Groups.
7. Recent Trends in India's Foreign Trade :
Changing composition and direction of India's foreign trade, Review of India's Trade Policy since 1991, Impact of Liberalisation, impact on domestic production, and technological upgradation, Review of Export Promotion Measures, Sectoral Competitiveness and incentive Measures for Export Films. FDI and Export Infrastructure Development, Role of SEZs, Human Capital Development and Export Growth WTO and its impact on different sectors of economy.

REFERENCES :

1. BO Soderstem and G. Reed (1994), International Economics, 3rd Ed., McMillian Press, London.
2. D. Greenway & L.A. Winters (1993), Surveys in International Trade, Oxford, Blackwell.
3. D. Greenway (1985), Current Issues in International Trade, London, MacMillian.
4. D.T. Llewelyn & C.R. Miller (Eds.) (1993), Current Issues in International Monetary Economics, London, MacMillian.
5. Dixit, A.K., Norman, V. (1980), Theory of International Trade, Cambridge, C.V. Press.
6. H.S. Ellis, L.A. Metzler, Readings in the Theory of International Trade, Homewood ILL, Inwin.
7. J.A. Frenkel, H.G. Jhonson (Ed.) 1978), The Economics of Exchange Rates, Reading : Addison Wesley.
8. J.N. Bhagwati (1987), International Trade : Selected Readings (Cambridge, Mass MIT Press.
9. M.B. Krauss (1973), The economics of Integration, London, Allen and Unwin.
10. R.E. Caves, H.G. Jhonson (Ed.) (1968), AEA : Readings in International Economics, London, Allen and Unwin.

Paper-III (Optional)
PUBLIC ECONOMICS

1. Role of Government :
Changing perspective about role of government in an economy, New Economic Policy and role of Government, Social Safety Net, Planning in era of globalisation, Decentralisation.
2. Public Economics, Public Choice and Welfare :
Pareto optimality and market equilibrium, compensation Tests Social Welfare Function, Market failure : imperfections, externalities, public goods, theory of Second Best, Public choice and Welfare : Problem of Preference relegation – Arrow/s Theorem – Interest Groups – Welfare and Empowerment, A.K. Sen and Welfare Economics.
3. Public Policy Analysis :
Allocation of Resources, Provision of public goods, Samuelson Tiebout, Tullock, Buchanan, Wagner, K. Arrow Models, Theory of Club goods, Social Goals of Public Policy : Poverty alleviation, provision of infrastructure, correction of inequity and regional imbalances, WTO, IP Rights, issues and Problems.
4. Government Taxation and Public Expenditure :
Incidence, Theories of Taxation, Tax Policy, Efficiency and Equity, Tax Reforms, Public Expenditure Growth, Criteria for public investment, social cost benefit analysis, project objectives, project evaluation methods, Public Expenditure Reform Policy.
5. Public Enterprises :
Changing attitude towards public enterprise, Privatisation – issues, Experience Problems, Criteria for public enterprise pricing, Dupit, Hotelling, Second Best Pricing, Administered prices, peak load pricing, Power Sector Reforms in India, Management and Accountability of Public Sector Enterprises : Problems, Disinvestment Policy, NEP and Reform of Public Sector Enterprises.
6. Recent Trends in Indian Public Finance :
Fiscal Administration in India, Direct and Indirect Tax Reforms and Trends in Tax Revenue Yields, Tax Evasion, Amnesty Schemes and Black Income, Trends in Non Tax Revenues, Growth, Burden and Management of Public Debt. Expenditure Reforms, Fiscal and Revenue Deficit Growth Problem, State Finance : Trends in Revenue and Expenditure.
7. Fiscal Federalism :
Evolution, Horizontal and Vertical Fiscal imbalance in India, Fiscal Transfers in India, Centre State Financial Relations : Problems X and XI Finance Commission Awards, Fiscal Decentralisation 73rd and 74th Constitutional Amendments, State Finance Commissions and fiscal authority of Local Bodies in India.
8. Fiscal Policy :

Emerging Issues – NEP and role of Fiscal Policy, Fiscal Adjustment, Fiscal Incentives and Export led Growth – NEP and Fiscal Reforms.

REFERENCES :

1. A.K. Singh (1987), Finance Commission in India, Allahabad Chugh Publication.
2. B.P. Herber (1988), Modern Public Finance, R.D. Irwin Indian Edition.
3. B.P. Singh (1988), Fiscal Transfers : A Study of Finance Commission in India, Delhi, Amar Publication.
4. D.K. Mishra (1985), Public Debt. And Economic Development, Lucknow.
5. Due and Fried Laender (1973), Government Finance, Economics of Public Sector, R.D. Irwin, 5th Edition.
6. Govt. of India (1991), Ministry of Finance, Tax Reforms Committee : Interim Report, Final Report Part I and II (Cheliah Committee).
7. Govt. of India, Economic Survey, Latest Reports.
8. Govt. of India, Ministry of Finance, Reports of Various Finance Commissions.
9. J.E. Stiglitz (1986), Economics of Public Sector, Norton, NY.
10. J.M. Buchanan (1970), The Public Finances, R.D. Irwin, Howerhood.
11. J.M. Buchanan (1980), Fiscal Theory and Political Economy, University of N.Carolina Press.
12. R.A. Musgrave and Peggy B. Musgrave (1973), Public Finance in theory and Practice, MacGraw Hill, International Student, Edition.
13. R.J. Cheliah, M. Govinda Rao etc. (1996), Trends and issues in Indian Federal Finance, Delhi Allied Publishers Pvt. Ltd.
14. R.W. Broadway (1984), Welfare Economics, Basil Blackwell, Oxford.
15. RBI, Annual Currency and Finance Reports.
16. S.E. Ahmed and N.H. Stem (1991), The Theory and Practice of Tax Reform in Developing Countries, Cambridge, CV Press.
17. S.Mundie (1999), Public Finance, Policy issues for India, Oxfort University Press, Delhi.
18. W.H. Buitter (1990), Principles of Budgetary and Financial Policies, Cambridge Mass, MIT Press.

Paper-III (Optional)

ECONOMICS OF MONEY, BANKING AND FINANCIAL INSTITUTIONS

1. Role of money in Classical and Keynesian systems – Simple income determination model, Classical and Keynesian theories of income and employment, Income theory of money, Liquidity theory of money – Radcliffe Sayers thesis, Gurley-Shaw thesis, Swedish approach.
2. Money supply – approaches – Portfolio choice money multiplier model, Pure Loan demand approach, mixed portfolio loan demand model, Riefler-Burgess hypothesis, Measurement of Money supply – Traditional method, Chicago school, Gurley Shaw, Radcliffe Committee, Friedman, Chaktorborthy Committee, Reddy Committee, H. theory of money supply, money stock and interest rates, Money multiplier, Monetary targeting, Inflation targeting, Interest rate targeting, Factors influencing money supply. Reserve management, Repo transactions.
3. Demand for money classical theory, Keynesian theory, Post-Keynesian approaches, Baumol's inventory theoretic approach Tobin's portfolio model, Gurley-Shaw on demand for money, Friedman's restatement of quantity theory, Instability of money demand.
4. Monetary and fiscal policy, Autonomy of Central Banking. Financial market in India, NABARD, co-operative banking in India.
5. Financial sector reforms – Economic regulations, Prudential regulation, Structural regulations, Risk management, Liquidity risk, Credit risk, Exchange risk, Deregulation of Interest rate, Financial Liberalization school approach, Interest rate modelling.
6. International financial system – Stabilisation and structural approach, Demand and supply conditionalities, Washington consensus, Neo-Liberalisation approach, Basle norm and standards, Euro, convertibility of currency, international capital movement, regulation of foreign exchange reserves.

REFERENCES :

1. Halm, G.N. Monetary Economics.
2. Newlyn, W.E., Theory of Money.
3. Johnson, H., Essays in Monetary Theory.
4. Patinkin Don, Money, Interest and Prices.
5. Shaw E.S., Money, Income and Monetary Policy.
6. Day a C.L., An outcome of Monetary Economics.
7. Friedman, Essay of Money.
8. Harley, L., Monetary Theory.
9. Pischke, J.D. Von, Finance at the Frontier, Debt., Capacity and Role of Credit in Private Economy.
10. Bhoose, L.M. Financial Institutions and Markets : Structure, Growth and Innovation.
11. Sheth, M.L. Monetary Economics.
12. Ghosh, B. and Ghosh Rama, Monetary Economics.

13. Einzig P., Monetary Policy : Ends and Means.
14. Suraj Gupta, Monetary Theory.
15. Froyen, R.T., Macro Economics : Theory and Policies.
16. Lys Thomas, Monetary Theory and Monetary Policies.
17. Zak, P.J. Currency Crisis, Monetary Union and the Content of Monetary Policy.
18. Pascal Bridel, Money and General Equilibrium.
19. Real Fonzo, Money and Banking.
20. Mathews, Economics and Politics of Money.
21. Laidler David, Money and Macro Economics, Vol. I, II, III.
22. Han, F.H. Breching F.P.R. (Ed.) Theory of Interest Rates.
23. Malkiel, B.G., The Term Structure of Interest Rates : Expectations and Behaviour Patterns.
24. Tumovsky, S.J. Macro Economic Analysis and Stabilisation Policy.
25. Goodhart, C., Money, Information and Uncertainty.
26. Gupta S.B. Monetary Planning in India.
27. Devidson, P., International Money and Real Word.
28. RBI Reports.
29. IMF Reports.

Paper-III (Optional)
REGIONAL ECONOMICS

1. Spatial micro economic and location theory – Price and equilibrium in geographically separated and interlinked markets, Spatial monopolistic competition, Shape and size of market areas in space economy, spatial price discrimination, profit maximising location of the firm, Hotelling formation and its critique, economies and diseconomies of agglomeration.
2. Spatial macro economics – Regional social accounting theory and Indian case studies, short run regional income determination in multiple, Regional economic system, Regional balance of payment mechanism, interregional business cycle, propagation mechanism, Regional growth theories, Determinants of land use, Techniques for regional analysis.
3. Balanced and unbalance theories of development, Spread and backwash effect, Regional migration theories, Role of financial allocation.
4. Leading theories of regional economics : Central place theory and economic space, Location, quotient, Models of flows of persons, commodities and capital, Regional Input analysis, Regional economic base theory, Growth poles and Growth centres, Growth points, Growth foci, cumulative causation theory, Divergence and convergence theses.
5. Balanced regional development and regional disparities – Need for balanced regional development, indicators of regional imbalances; Factors responsible for regional plans, estimates of regional disparities, Regional disparities and development policies in India, Balanced and sustainable development.
6. Inequalities of income and poverty alleviation programmes, Urbanization Environment and structural adjustment, Inequality of Income magnitude, effects of inequalities of income, factors responsible for inequality of income and wealth, Suitable measures, Sett's poverty Index, Incidence of poverty, comparison, Factors responsible for poverty, Suitable measures for solution, Poverty alleviation programmes.
7. Agriculture development and sustainable development, Land use, Cropping pattern, Resource Management, Agro-climatic regional planning, Ecological balance, Bio-diversity and regional development.
8. Political economy and regional imbalances, co-operatives and regional development, Regional economic policy.
9. Western Maharashtra as a region, Structure, environment, Industrial growth, Agricultural growth, Fact Finding Survey Report, Regional Planning, Financial allocation, State Finance Commissions, District Planning, River valley projects.

REFERENCES :

1. Isard, W., Location and Space Economy.
2. Isard, W., Methods of Regional Analysis.
3. Isard, W. & Cumberland J.H. Regional Economic Planning.
4. Richardson, H.W., Elements of Regional Economics – Regional Growth Theory.

5. Chennery H.B. Regional Analysis in H.B. Chennery et al – Structure and Growth of Italian Economy.
6. Siebert, H., Regional Economic Growth : Theory and Policy.
7. Bhat, L.S. Regional Planning in India.
8. Friedman, J. Alonso, w. (Eds.) Regional Policy : Reading in Theory and Application.
9. Shukla, Amitabh (Ed.) Regional Planning and Sustainable Development.
10. Misra, R.P. et.al., Regional Development Planning in India.
11. Dandekar, V.M. et.al., Fact Finding Report on Regional Imbalances in Maharashtra.
12. Nair, K.R.G., Regional Disparities in India.
13. Rao Hemlata, Regional Disparities and Development in India.
14. Friendrich, S.Weber's Theory of Location of Industry.
15. Godbole, M.D. Industrial Dispersal Policies.
16. Menon K.S.V., Development of Backward Areas Through Incentives.
17. Mayer, J.R. Regional Economics : A Survey, AER, Vol. I and II.
18. NCAER, Technol Economic Survey of Maharashtra.
19. GOI, Report of the Working Committee for Identification of Backward Areas.
20. Alagh Yoginder, Agro-climatic Regional Planning in India.
21. Parikh, J.K. Sustainable Development in Agriculture,
22. UNDP, Human Development Report.
23. Rao C.H. Hanumantha, Ray S.K. Subbarao K. Unstable Agriculture and Droughts.
24. Roback S.H., Regional and Economic Development in India.
25. Prakash Rao, Regional Planning.
26. Mishra, A., Levels of Regional Development in India.
27. Dayoh G.H.J. Studies in Regional Planning.
28. Panayoton, Theodore, is Economic, Growth Sustainable ? Proceedings of the WB Annual Conference on Development Economics.
29. Kundu, A., Measurement of Urban Process – A Study in Regionalisation.
30. Shrivastava O.S., Regional Economics.
31. Lo Fuchen and Salih K., Growth Pole Strategy and Regional Development Policy.
32. Hoyle, B.S. Spatial Aspects of Development.
33. Gilbert, A. Gugler, J., Cities, Poverty and Development : Urbanization in the Third World.
34. Kumets, S., Modern Economic Growth : Rate Structure and Spread.
35. UNCRD, Growth Pole Strategy and Regional Development in Asia.
36. Word Development Reports.
37. Mishra G.P. Regional Structure and Development and Growth in India.
38. Sengupta P. and Sundasyнк G. Economics Regionalisation of India – problems and approaches.

Paper-III (Optional)

DEMOGRAPHY AND GENDER STUDIES

1. Theories of Population : Pre-Malthusian, Malthusian and Post-Malthusian theories, optimum population, Demographic transition, Threshold hypothesis.
2. Population size and Growth : Trends in population in the world during the last fifty years, variations in the growth rates of population by broad regions of the world, Africa, Asia, Latin America, North America, Europe, Australia and India.
3. Sex and Age Structure : Sex and age structure in developed and less developed countries, determinants of sex and age structure, Demographic effect of sex and age structure, economic and social implications of sex and age structure.
4. Fertility, Nuptiality and Mortality : Estimation of fertility rates, factors affecting fertility rates, marital status, change in age pattern of marriage, estimation and determinants of mortality rates, foetal and infant mortality.
5. Migration and Urbanization: Kinds of migration, determinants and consequences of migration with reference to India, Growth of urban population, factors affecting urbanization, trends in urbanization in India.
6. Population policy and programmes in India, Policies for fertility regulation and family welfare programmes.
7. Gender Structure: Gender structures in developed and developing countries with reference to India, factors affecting sex ratio in India.
8. Female work Participation : Employment of women in various socio-economic activities, factors affecting the recognition of women productive activity, demand for women labour and supply of women labour and their determinant factors, trends in female work participation rates in urban and rural area.
9. Gender Wage Differentiation : The concept of wage differentiation, gender skill, efficiency, opportunity, wage differentiation across regions, sectors in various socio-economic activities in India.
10. Economic Development and Gender : Impact of economic development on social status of women, programmes for improving the status of women.
11. Labour Legislation and Gender : Role of women in collective bargaining, factors affecting participation of women in union, organization and struggle, Gender bias in legislation relating to property, assets, education, health etc. women labour policy in India.

RECOMMENDED BOOKS :

1. Srinivasan K., Regulation of Reproduction in India, Population.
2. Rodgers, G., Population Growth and Poverty in Rural South Asia.
3. Agrawal, S.N. India's Population Problems.
4. Styrock, H., Population, Poverty and Employments : Methods and Materials of Demography.
5. David, K., World Urbanization, Vol. II, University of California.
6. UND, Human Development Report

7. United Nation : The Determinants and Consequences of Population.
8. Row B. Sheela, Women Consciousness, Maris World, Penguin, Harmondsworth.
9. Boserup : Women's Role in Economic Development, George Allen and Urwin London, 1970.
10. UNESCO : Women Studies and Social Scientists in Asia, Bangkok.
11. Ashok Mitra : Implications of Declining Sex Ratio in India's Population, ICSSR, New Delhi, 1979.
12. Nanda R. : Indian Women, : From Pardah to Modernity, Vikas, New Delhi, 1976.
13. Mujumdar, Vina : Symbols of Power : Studies on the Political Status of Women in India, Allied, New Delhi.
14. Mitra, Ashok : The Status of Women Literacy and Employment, Allied Publication, Bombay, 1979.
15. Amseden A.H. (Ed.) : The Economic of Women and Work, Penguin, Harmondsworth.
16. Engles, F., : Women's Participation in the Economic Activity of Asian Countries, ILO Document DPW/10.
17. Redciff N. and E. Mingione (Ed.) : Beyond Employment : Household, Gender, Subsistence Basil Backwell Oxford UK, 1985.
18. Nancy Birdsall and Richarch Sabof : Unfair Advantage : Labour Market discrimination in developing countries.
19. Lloyd, C.B., Andrews, E.S. and Gilroy, C.L. : Women in the Labour Market, Colombia University Press, New York, 1979.

Paper-III (Optional)

ECONOMICS OF AGRICULTURE AND CO-OPERATION

1. Agriculture And Development : Agriculture and Economic development, Theories of Fei Ranis Model, Boserup Model, Mellor Theory, Growth with social justice in agriculture.
2. Agriculture in India : Centre State relations in agriculture development, Agricultural Diversification and Productivity, Agricultural Pricing, National Agricultural Policy, Food security, Regional Disparities in Agriculture, Land Degradation and its economic implication.
3. Agricultural Development and Infrastructure: Irrigation Policy and Water Rates, Watershed Development in India, Capital formation in Agriculture, Post Harvest Technology, Recent Technological changes in Agriculture: Precision farming, contract farming, corporate farming.
4. WTO and Agriculture: WTO and AOA, Plant Breeders Rights and Farmers Rights, Genetic Modifications and Agriculture, Agricultural Exports, Organic Farming.
5. Agricultural Finance : Need, sources, Institutional System, Principles of better credit, Role of NABARD, Role of Co-operatives.
6. Co-operation and Economic Development in India : Co-operative identify : Concept and Reality, co-operative Values and Principles, Recent Principles of co-operation, schools of Co-operative thoughts, Leadership in co-operative Organization, HRD in Co-operatives, Professionalization of Co-operative Management, Globalization and Co-operatives.
7. Co-operatives in Maharashtra : Agricultural credit Co-operatives : Three Tier, Dairy Co-operatives, Sugar Co-operatives, Fruits and Vegetable Co-operatives, Urban Co-operative Banks, Recent Developments in Co-operatives, Urban Co-operative Banks, Recent Developments in Co-operative Legislation, Assessment of co-operative Movement in Maharashtra.

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5. International Cooperative Alliance : Cooperative Leadership in South-East Asia, 1963.
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7. Principles of Philosophy of Cooperation, VMNICOM, Pune, 1970.
8. Fundamentals of Cooperation : Krishnaswamy, Chand & Co. 1978.
9. Cooperative Identify : Concepts and Reality : Diwivedi, R.C., Paramount Publishing House, New Delhi, 1997.
10. Cooperatives in the New Millenium, edited by Rs. Selvaraju, Vikas Publishing House, 2000.

11. Sugar Cooperatives and Rural Change, S.D. Tupe, Dwarka Prakashan, Pune, 1992.
12. Rediscovering Co-operations, Vol. I to III, IRMA, Anand, 1990.
13. Re-investing Cooperatives, B.B. Goel, A 21st Century Vision, Deep and Deep Publication, New Delhi, 2001.
14. India's Rural Cooperatives, Kainth G.S. Regency Publications, New Delhi, 1998.
15. Women's Urban Co-operative Banks : Koli P.P., National Federation of Urban Co-operative Banks and Credit Societies, New Delhi, 1992.
16. Co-operative Credit in Indian Agriculture, Jugale V.B., Atlantic Publishers, New Delhi.
17. Theories of Agricultural Finance, V.B. Jugale, Athantic Publishers, New Delhi.
18. Sugarcane Pricing, V.B. Jugale, Atlantic Publishers, New Delhi.

Paper-III (Optional)

ENVIRONMENTAL AND RESOURCE ECONOMICS

1. The Theory of Externalities and Public Goods : Externalities : Externalities as missing markets, property rights and externalities, Non-convexity and externality, Comparative equilibrium, externality and inefficiency, Public Goods : Pareto optimal provision of public goods, Lindahl's equilibrium, Preference revelation problem, Impure and mixed public goods, Common Property resources, Pure and mixed public goods and environmental resources.
2. The Theory of Environmental Policy : Environmental externalities, Pigouvian taxes and subsidies, Marketable pollution permits, Prices versus quantity instruments, Mixed Instruments; the charges and standard approach, imperfect markets and the design of economic instruments, Coasts' bargaining solution and collective action, Environmental regulation in a federal country, Monitoring and enforcement of environmental regulations, Environment, institutions and grass root movements, Case studies from the developed and developing countries.
3. Economics of Exhaustible and Renewable Resources : Exhaustible resources : Socially optimal extraction under different (competitive, oligopolistic and monopoly) market structures, Uncertainty and the rate of resource extraction, Role of government and the non-renewable resource taxation, Renewable resources : Static and dynamic economic models of fisheries, forestry and mining under different market structures, Exploitation of renewable resources under endogeneous prices.
4. The Measurement of Environmental and Resource Values : Classification of environmental and resource flows, Use values, option value and non-use values, Defining and measuring welfare changes with respect to changes in environmental quality, Valuation methods : Methods based on observed market behaviour : Direct methods : Referenda, simulated markets and parallel private markets, indirect methods; Hedonic pricing and household production, Potentially applicable method, Generally applicable methods, Selectively applicable methods, Methods based on responses to hypothetical markets : Direct methods : Contingent valuation methods, Indirect methods : Contingent ranking allocation games and indifference curve mapping, Case studies about the measure of user and non-user benefits from the environmental improvement.
5. Intergenerational equity, sustainable Development and Natural Resource Accounting : Various approaches to sustainable development, Indicators of sustainability, The Common Perring model of sustainable development, natural resource accounting and environmentally corrected GDP, Integration of environmental accounting in to the system of national income accounting.
6. International Environmental Issues : Links between trade and environment, WTO and using trade measures to achieve environmental objectives, Domestic environmental policies, trade and the competitive world economy, Institutions and instruments to deal with global environmental problems, Indian experience.
7. Environment and Development : Environment and development linkages, Poverty and environment, Gender issues and environment, Environment and population issues, social conflicts and environmental management.

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2. Perrings, C. (1987), *Economy and environment : A theoretical essay on the Interdependence of Economic and Environmental Systems*, Cambridge University Press.
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6. Agrawal Bina (1997), *Environmental Action, Gender Equity and Women's participation*, *Development and Change*, 28(1), The Hague.
7. Gadgil, M. and R. Guha (1995), *Ecology and Equity : The use and abuse of nature in contemporary India*, Penguin Books.

Paper-III (Optional)

ECONOMICS OF INDUSTRY AND LABOUR

1. Basic Concepts and Industrial Development of India : Plant, firm, Conglomerate, Cartel, MRPT Co. Industry, Industrial Sector and Industrial Structure, economics of Scale concepts, U-shaped and L-shaped cost curves, Techniques of Measurements, Empirical Evidence and its implications, Small Industry : types of Small Industry, Importance in the Indian Economy, Problems, Case for small Industry, Postulates and Techniques, Issues and Areas of Choice, empirical Evidence, Traditional, Latest, Intermediate and Appropriate Technologies, Industrial Growth and Policy, Industrial Policy Resolutions, Principal, Objectives Industry in the Plans, Industrial Development (and Regulation) Act, 1951, and other Major Regulations, performance of Indian Industry in the context of the objectives of Growth, Efficiency and other social objectives, Problems and Prospects of Indian industry.
2. Theory of firm and Pricing : Objectives of the firm, Growth of firms, Marginal Cost Pricing Vs. full cost pricing, Depreciation allocation of common Costs among Individual Product, Administered Prices, Price fixation in Indian Industry, Pricing Power and Public Interest, Investment Decision, conventional and Modern Methods, Risks and Uncertainty, Sensitivity analysis OECD and UNIDO Approaches.
3. Corporate form of Organization : Features, Methods of Control, The divergence Problem, Traditional Vs. Present day capitalism, Growth and structure of the Indian Corporate Sector, Financial Statements, Ratio analysis and Interpretation, Industrial Finance, Types of Finance, Money and Capital Markets, Commercial and Development banks, Industrial Development Bank, Objectives and Functioning, Impact of these institutions on the supply of long and medium term finance for the industrial sector and on the Financial structure of the Corporate Sector, its implication, Module VII : Some Issues in Indian industry : Public Sector, Rationale Organization, Pricing Policies, The Question of Efficiency in the context of special constrains, performance of Public Sector in India. The concept of Joint Sector, Other Problems, Industrial Sickness, Capacity Utilization, Foreign Collaboration, Multinationals in India, Indian Joint-Ventures Abroad, the Recent Liberalization Trends.
4. Labour Market : Nature and Characteristics of labour markets in developing economics like India, Paradigms of labour market, classical, neo-classical and dualistic, analysis of Demand and Supply forces, Demand for labour relating to size and pattern of investment, choice of technology and government labour policies, orientation, supply of labour in relation to growth of labour force, Labour market Policies.
5. Wage Determination : Theory and Practice : Various Classical, neo-classical and bargaining theories of wage determination, Various concepts of wages-fair, living and minimum, Problems of implementation of minimum wages. Wage determination by Sectors, Urban and Rural, Organized wage and non-wage components of labour remuneration, Wage and Inflation, productivity and Wage relationship, Profit sharing industry, occupation and region, wage standardization, Labour productivity and wage relationship.
6. Industrial Relations and Trade Unions : Growth of Industrialization and emergence of unionism, Theories of Labour Movement, Growth, Structure

and pattern of trade unionism in India, comparative development of labour movement in U.K., U.S.A. and U.S.S.R. Achievements and Failures of Trade Union Movement and their solution, Determinants of Industrial Disputes, Steps to achieve industrial peace, Methods of Settlement of Industrial disputes, Collective bargaining, conciliation, arbitration, labour participation in management.

7. State and Labour : Increasing role of State in determination of labour matters, Labour Policy of the government in the past various social security and labour welfare measures adopted by government, Comparative accounts of social security measures adopted in U.K., U.S.A. and U.S.S.R., Important labour legislation in India, Industrial Disputes Act, Trade Unions Act, Factories Act and disputes Act, Trade Unions Act, Factories act and Employees State Insurance Act, Impact of ILO on Labour legislation, Government Policy towards agricultural labour, Women and child Labour, Labour in unorganized sector, New Economic Policy (Liberalisation, Privatisation, Globalisation) and in on labour.

REFERENCES :

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16. Dhar, P.N. and H.F. Lydall (1961), The Role of Small Enterprises in Indian Economic Development, Asia Publishing House, Bombay.