HEMCHAND YADAV VISHWAVIDYALAYA, DURG (C.G.)

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SCHEME OF EXAMINATION
&
SYLLABUS
of
M.A. (Economics) Annual Exam

UNDER

FACULTY OF SOCIAL SCIENCE

Session 2024-25

(Approved by Board of Studies)

Effective from June 2024

HEMCHAND YADAV VISHWAVIDYALAYA, DURG (C.G.)

ECONOMICS
M.A. PREVIOUS AND M.A. FINAL EXAMINATION

At post-graduate level candidates required to- study ten compulsory papers during two years period. There shall be five compulsory papers in M A previous and five compulsory papers in M A final examinations. So, there shall be ten compulsory papers in the post -graduate examination. Each paper shall carry 100 marks. Candidate shall have to secure 36 percent marks in aggregate of all papers in order to pass the M A previous and M A final examination.

M.A. Previous

Paper I Micro Economics

Paper II Macro Economics

Paper III Quantitative Methods

Paper IV Indian Economic Policy

Paper V Demography

M.A. Final

Paper I Economics of Growth and Development

Paper II International Trade and Finance

Paper III Public Economics

Paper IV Economics of Social Sector and Environment

Paper V Agricultural Economics

M.A. (Previous) Economics

PAPER - I
MICRO ECONOMICS

UNIT-1 Introduction, Basic Concepts and Demand Analysis:

Basic Economic Problem- Choice and Security, Deductive and Inductive Methods of Analysis, Positive and Normative Economics, Economic Models, Characteristics of Equilibrium and Disequilibrium Systems.

Elasticity (price, Cross, Income) of demand- theoretical aspects and empirical estimation, elasticity of supply ; theories of demand-utility, Indifference Curve, Income and substitution effects, Slutsky theorem, compensated demand curve and their application, revealed preference theory, revision of demand theory of Hicks ; characteristics of goods approach consumer' s surplus, elementary theory of price determination - demand and supply equilibrium.

UNIT-2 Theory of Production and Costs;

Production Function - Short period and long period, law-of variable proportions and returns to scale, isoquants - least cost combination of inputs, returns to factor, Economics of scale, elasticity of substitution, Euler's theorem, technical progress and production function cob-Douglas, CES, production functions and their properties. Marginal analysis as an approach to price and output determination, supply curve; Monopoly- short run and long run equilibrium price determination, Welfare aspects monopoly control and regulation.

UNIT-3 Monopolistic competition, General and Chamberlin approaches to equilibrium, (equilibrium of the firm and the group with product differentiation and selling Costs, excess Capacity under monopolistic and imperfect Competition, Criticism of monopolistic competition.

Oligopoly-Non-Collusive (Cournot, Bertrand, Edseworth, Chamberlin;Kinked demand curve) and Collusive (Carter and merger, price leadership and basic point price system)models.

UNIT-4 Critical evaluation of marginal analysis, Baumol's sales revenues maximization model, willamsan' s model of managerial discretion, morrismodel of managerial enterprises.Full cost pricing rule, Bainslimit pricing theory andits recent developments, including styles, labinis model, and behavioral model of the firm.

NEO-CLASSICAL APPROACH OF DISTRIBUTION WELFARE ECONOMICS AND GENERALEQUILIBRIUM Marginal Productivity theory, Product Exhaustion theorem, Elasticity of Technical Substitution, technical progress and factor shares, theory of distribution in imperfect product and factor markets, Determinants of rent, wages, interest and profit.

UNIT-5 Pigovian welfare economics, Pareto optimum conditions value -judgment, social welfare function; compensation principle, inability to obtain .optimum welfare - imperfections, market failures decreasing costs uncertainty and non -existent and incomplete markets.

Partial and General equilibrium, Walrasian Excess Demand and input - output approaches to general equilibrium, existence, stability and uniqueness of equilibrium and general equilibrium.

Anita

BASIC READING LIST

1. Kraps, David M. (1990) a course in micro economics theory princation university press, Princeton.
2. Koutsayiannis; A (1979) modern Microeconomics (2nd Edition), macmillanpress, London.
3. Layard,PRGandWattersPW(1978), Micro economic theory, McGraw Hill, New York.
4. San A (1999) Micro economics theory and Applications, Oxford University Press, New Delhi;.
5. Stigler, G. (1996) theory of Price (4th adition), PrentiseHall of India, New Delhi.
6. Varian, H (2000) Micro economics Analysis, W.W. Norten, New York.
7. Baumol W.J., (1982) Economic theory and operations Analysis, pernticeHall of India, NewDelhi.
8. Handersan, J.M. and R.E. Quandy (1980) Micro economics theory - A Mathematical approach, McGrawHill New Delhi.
9. Hirshleifer, J. And A Glazer (1997), Price theory and Application, PrentiseHall of India, NewDelhi.
10. Health f ieldsand wibs(1'987) An introduction to cost andproduction function, Macmillan,London.

PAPER- II
MACRO ECONOMICS

UNIT-1 National Income and accounts - Concepts of National Income and National

Product. Problems of Measurement,' Circular Flow of Income in two, three and four sector economy; different forms of national income accounting, Social accounting, input –output accounting and f low of funds and balance of payment accounting. Consumption Function-

.Keynes psychological law of consumption - implications of the law; short run and long-run consumption function, Empirical evidence on consumptions function; Income –consumption relationship Absolute income, Relative income, Life cycle and Permanent income hypotheses.

UNIT-2 Investment Function - Marginal efficiency of capital and investment - long run and short run; the accelerator and investment behavior, saving and Investment equality, Multiplier; concept of Multiplier; Super Multiplier.

Supply of Money - money supply determination, demand determined money supply process, RBI approach to money supply; High powered money and money multiplier; budget deficits and money supply, money supply and open economy; control of money supply.

UNIT-3 Demand for money - Classical approach to demand for money - quantity theory approach, Fisher' s equation, Cambridge quantity theory, Keynes' s liquidity preference approach, transaction, precautionary and speculative demand for money - aggregate demand for money; Post - Keynesian approaches to demand for money - Patinkin and the real Balance Effect, Approaches of Baumol and Tobin; Friedman and the modern quantity theory; Crisis in Keynisian economics and the revival of monetarism. New -classical and Keynesian, v iewson interest: The IS-LM model; Derivation of IS curve; Derivation of LM curve; General equilibrium of Product and money market.

UNIT-4 Theory of Inflation - Classical, Keynesian and Monetarist approaches to inflation;

Structuralism theory of inflation; Philips curve analysis - Short run and long run, Philips curve; The Natural rate of unemployment hypothesis; Tobin' s modified Philips curve; Adaptive expectations and rational expectation; Policies to control inflation. Business Cycles - Theories of Schumpeter, Kaldor, Samuelson and Hicks, Control of, business cycles.

UNIT-5 Monetary and fiscal policies - Types of Monetary Policy; Instruments of monetary Policy; Relative effectiveness of monetary and fiscal policies. Macro-Economic Policies Development - Role of Monetary and fiscal Policies in India, New classical Macroeconomics.

Anita

BASIC READING LIST

1.Markley, G. (1978), Macroeconomics; Theory and Policy; Macmillan, New York.
2.Blackhouse, R. and A. Salansi (Eds.) (20()), Macroeconomics and the Real World (2vols) Exford University Press, London.
3.Branson, W.A. (1989), Macroeconomics Theory and Policy, (3rd Edition), Harper and Raw, NewYork.
4. Aornbusch, R. and.F. Stanley (1997), Macroeconomics, McGraw Hill, Inc., New York.
5.Hall,R.E.andJ.B.Taylor(1986),Macroeconomics,W.W.Norton, NewYork.
6.Heijdra, B.J. and V.P. Frederick (2001), Foundations of Modern Macroeconomics, Oxford University' Press, NewDelhi.
7.Jha, R. (1991), Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd. New Delhi.
8.Romer. DL. (1996), Advanced Macroeconomics, McGraw Hill Company Ltd., New York.
9. Scarte,B.L.(1977),Cycles, Growth and Inflation; McGraw Hill, NewYork.
10.Shapiro, E. (1996), Macroeconomic Analysis', Galgotia. Publications, New Delhi.
11.Surrey, MJC (Ed) (1976), Macroeconomics Themes, Oxford University Press, Oxford

PAPER -III

QUANTITATIVE METHODS

UNIT-1 Concept and types of production functions-Cobb-Douglas production function; linear programming- Basic concept; formulation of a linear programming problem its structure and variables; nature of feasible, basic and optimal solution; solution of linear programming through graphical method; concept of game; strategies - simple and mixed; value of game ; saddle point solution; simple applications, limitations of the game theory.

UNIT-2 Skewness : Symmetrical and asymmetrical distribution; measurement of skewness

- Karl Pearson's of coefficient Skewness, Bowley's coefficient of skewness; meaning, assumptions and limitations of simple correlation; measurement of correlation coefficient. Karl Pearson's coefficient of correlation and spearman's rank correlation; probable error and standard error in correlation; regression analysis, regression lines regression equations, regression coefficient, correlation and regression, partial correlation and multiple correlation; multiple regression analysis (up to three variables) standard error of the estimates.

UNIT-3 Interpolation and extrapolation, methods of fitting a parabolic curve direct binomial expansion method. Newton' sadvancing difference method and Lagrange's method; Association of attributes, meaning and types of association, consistency of data, in association. Theory of probability, various types of events, addition and multiplication theorems, conditional probability and concept of inter dependence.

UNIT-4 Index Number - Type of index number, Fisher'sideal index number, Reversibility test, Cost of living index, Time series data Analysis - Components of time series. Short period and long period trend line; moving average method.

UNIT-5 Census and sample methods of statistical inquiry: Deliberate and random sampling, simple, random, stratified random and P.P.S. sampling. Concept of an estimator and its sampling distribution. Desirable properties of an estimator; formulation of statistical hypotheses - null and alternative; goodness off it. Confidence intervals and levels of significance, hypothesis testing based on z, t, x 2 (Chi -square) and Ftests, Type-1 and Type-2errors.

BASIC READING LIST

1. Allen, R.G.D. (1974): Mathematical Analysis for Economics, Mcmillan Press and ELBS, London.
2. Chiang, A.C. (1986): Fundamental methods of Mathematical Economics, McGrawHill, New York.
3. Gupta S.C. (1993): Fundamental of Applied Statistics S. Chand &Sons, New Delhi.

Anita

PAPER -IV
INDIAN ECONOMIC POLICY

UNIT-1 Economic Development and its determinants approaches to economic development and its measurement-sustainable development, role of state, market and other institutions, indicators of development-PQLI-Human Development Index (HDI),Gender development indices. Planning in India- Objectives and strategy of planning, failures and achievements of plans- developing grass-root organizations for development, Panchayats, NGOs and pressure groups.

UNIT-2 Demographic Features, Poverty and inequality, broad demographic features of Indian population, rural-urban migration, urbanization and civic amenities, poverty and Inequality. Resource Base and' Infrastructure Energy - Social infrastructure, education and health.

UNIT-3 The Agriculture-Sector-Institutional Structure, land reforms in India, technological change in agriculture, pricing of agricultural inputs and outputs. Terms of trade between agriculture and industry, agricultural finance policy. The Industrial Sector, Industrial Policy, public sector enterprises and their performance, problem of sick units in India. Privatization. And disinvestment debate, growth and pattern of industrialization, small -scale sector, productivity in industrial sector.

UNIT-4 Public Finance - Fiscal Federalism, Centre-state financial relations, finances of central government, finances of state government, parallel economics, problems relating to fiscal sector reforms in India, Money, Banking and prices - Analysis of price behavior in India, Financial sector reforms, Interest rate policy, Review of monetary policy of RBI.

UNIT-5 External sector - structure and direction of foreign trade, Balance of payments, Issues in Export-import policy and FEMA, Exchange rate policy, Foreign capital and MNCs in India; The progress of trade reforms in Indian. Economic Reforms - Rational of internal and external reforms: Globalization of Indian economy, W.T.O. and its impact on the different sectors of the economy.

BASIC READING LIST

1- Ahulwalia, I.J. and I.M.D. Litle (Eds.) (1999):India's Economic Reformsand Development (Essays honor of Mariohar Singh), Oxford University Press, New Delhi.
2- Bardhan, P.K. (9th Edition) (.1999): The Political Economy of Development India Oxford University Press, and New Delhi.
3- Bawa, A.S.and Raikhy (Ed.) (1997): Structural change in Indian Economy, Guru Nanak Dev University Press, Amritsar.
4- Brahmananda, P.A. and V.A. Panch mukhi (9th Eds.)(2001): Development Experience in Indian Economy: Inter-state Perspectives, Bookwell, Delhi.
5- Chakravarty, S. (1987): Development Planning: The Indian Experience, Oxford University Press, NewDelhi.
6- Dantwala, M.L. (1996): Dilemmansof Growth: The Indian Experience, Sage Publication,New,Delhi.

Anita

PAPER -V

DEMOGRAPHY

UNIT-1 Meaning, Scope and importance of demography sources of demographic data, Tools of demographic analysis, measurement of population growth and population pyramid; Theories. of population – Malthus theory, Socio-cultural and economic theories of population, Biological theories of population, Theory of optimum population, Theory of demographic transition.

UNIT-2 Fertility - meaning and definition of fertility, Measurement of fertility - child woman ratio, crude birth rate, corrected birth rate, General fertility rate, Age specific fertility rate, Total fertility rate, Gross reproduction rate, and Net reproduction rate, calculation of fertility rates, determinants of fertility, Trends fertility in India.

UNIT-3 Mortality and morbidity - Importance of mortality data causes of death, meaning of morbidity, Differentials in mortality and morbidity, measurement of mortality crude death rate, Age-specific death rate, Infant mortality rate, Standardized death rate and maternal mortality rate, calculation of mortality rates, Trends in mortality in India, life table.

UNIT-4 Migration and urbanization, Population projection, growth of population in India, population and economic development, population explosion in India, Demographic characteristics of developing countries. Population Policy of India.

UNIT-5 Women empowerment - Economic status, W omen in decision making, W omen and labour market; Women work participation: Concept and analysis of women' s work, structure or wages across regions and economic sector's, Determinants of wage Differentials, Gender and education.

BASIC READING LIST

1.Agrawal S.N. (1972), India's Population Problem , Tata McGraw-Hill Co. Bombay.
2.Bose, S. (1996), India's Basic Demographic Statistics, B.A. Publishing Corporation, NewDelhi.
3. Bogue, D.J. (1971), Principles of Demography, Hon Wiley, New York
4.Handry,A.T.(1999):OperationsResearch,PrenticeHallofIndia,NewDelhi.
5. Speigal,M.R.(1992):Theoryandproblemsofstatistics,McGrawHillBookCo.,London.
6. Taha, H.A. (1997): Operations Research: An Introduction (6th editian), Prentice Hall of India Pvt. Ltd.; New Delhi.
7. Yamans,Tare (1975): Mathematics for Economics, Prentics Hall afIndia, New Delhi.
8. Mathur, P.N. &R. Bhardwaj (Eds.) 1967: Economic Analysis in input-autput Research, Input Output, Research Association of India, Pune.
9.Kathari, C.R. (1992): An introductianto. Operations ResearchVikasPublishing House, NewDelhi.
10.Hadley, G.(1962): Linear Programming, AddisanW esleyPublishing Co. Massachusetts.
11. Chou a (1975): Statistical Analysis Halt, Rain hart and Winstan, NewYork.

Anita

M.A. (Final) Economics
PAPER -I
ECONOMICS OF GROWTH AND DEVELOPMENT

UNIT-1 Economic Growth: Economic growth and development, Factors affecting economic growth, Capital, labor and technology. Measuring economic development, development gap. Common characteristics of developing economics. Obstacles to economic development: Human development index and other indices of development, Quality of life index, Food security. Human Resource Development.

UNIT-2 Theories of development- Ricardo, Karlmarx, Schumpeter and Harrod-Domarmodel, Neoclassical model- solow, Meade. Mrs John Robinson and kaldor model. Technology progress and economic growth - Hick, Hayek learning by doing, Production function approach to economic development.

UNIT-3 Approaches to development - Vicious circle of poverty, circular causation unlimited supply of labour, big push theory, theory of critical minimum effort, Balanced and unbalanced growth, Low income equilibrium trap, Ranis-fie model.

UNIT-4 Problems of Development- Measuring poverty and income inequalities in developing countries. Nature and causes of poverty and income inequality. Capital formation, Capital output ratio, Human Capital formation in developing countries. Role of State in economic development.

UNIT-5 Allocation of resources - Need for investment criterion in developing countries. Marginal rate of resource criteria, the rate of turn over criterion, the time series criterion, and cost benefit Analysis, Project evaluating and UNIDO guide lines. Shadow prices, Input – output Analysis.

BASIC READING LIST

1. Adelman, I (1961), Theories of Economic Growth and Development Stanford University press, Stanford.
2. Jhingan, M.L.(2008)31ST edition, The economics of development and planning, vrinda publication pvt.Ltd.
3. Shinghai G.C. & Mishra J.P.(2013) Macroeconomic Analysis,Sahityabhawan publicationAgra.
4. Mishra, J.P.(2012)Economics of Growth and development Sahityabhawan publicationAgra.
5. HajelaP.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, NewDelhi.
6. Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000). The UnorganisedSector : Work Security and Social Protection. Sage Publication, NewDelhi.
7 .Lester, R.A. (1964).Economics of Labour.(2ndEdition), Macmilan, New York.
8. Mc Connell, C.R. and S.L. Brue (1986). Contemporary Labour Economics, McGraw-Hill New York.
10. Papola, T.S.P.P. Ghosh and A.N. Sharma (Eds.) 1993, Labour, Employment and industrial Relations in India, B.R. Publishing Corporation New Delhi.

Anita

PAPER -II
INTERNATIONAL TRADE AND FINANCE

UNIT-1 Theory of International Trade: The pure theory of international trade - Theories of absolute advantage, Opportunity cost, Modern theory of international trade, Theorem of factor price equalization, Heckscher-Ohlin theory of trade, Kravis and Linder theory of trade, Factor intensity reversals; Stapler-Samuelson and Rybczynski theorems, Empirical testing of comparative costs and H.O. theories, Economic growth and international trade.

UNIT-2 Measurement of gains-Measurement of gains from trade and their distribution, concepts of terms of trade- their uses and limitations, Determination of terms of trade, its empirical relevance and policy implications for less-developed countries, Welfare implications. The theory of intervention (Tariffs, quotas and non-tariff barriers), Economic effects of tariffs and quotas on national income,. output, employment, terms of trade, income distribution, Balance of payments on trading partners both in partial and general equilibrium analysis, The political economy of non-tariff barriers and their implications, Nominal effective and optimum test of tariffs their measurement, impact and welfare implications.

UNIT-3 Balance of payments- Meaning and components of balance of payments, Equilibrium and disequilibrium in the balance of payments, The process of adjustment under systems of gold standard, Fixed exchange rates and flexible' exchange rates, Expenditure - reducing and expenditure-switching policies and direct controls of adjustment, Policies for achieving internal and external equilibrium simultaneously under alternative exchange rate regimes, foreign trade multiplier. Determination of national income and output, Relative merits and Demerits of fixed and flexible exchange rates.

UNIT-4 The theory of regional blocks-Forms of economic co-operation, Reforms for the emergence of trading blocs at the global level, static and dynamic effects of a customs union and free trade area, Rationale an economic progress of SAARC / SAPTA and ASEAN regions, Problems and prospects of forming a customs union in the Asian region, Regionalism (EU, NAFTA), Multilateralism and WTO, Rise and fall of gold standard and Breton- woods system, Need, adequacy and determinants of international reserves, Conditionality clause of IMF, Emerging international monetary system Reforms of the International Monetary System, India and developing countries.

UNIT-5 Theory of short-term capital movements and East-Asian crisis and lessons for developing countries; international trade and financial instructions- functions of GATT/WTO (TRIPS. TRIMS),UNCTAD,IMF, World Bank and Asian Development Bank - Their achievements and failure WTO and World Bank from the point of view of India. Trade policies in India- Trade Problems and trade policies in India during the last five decades, Recent change in the direction and composition of trade and their implications, Rational and impact of trade reforms since 1991 on balance of payments, problems of India's international debt, working and regulations of MNCs in India. Export policies.

BASIC READING LIST

1. Bhagwati, J. (Ed). (1981) :International Trade, Selected Readings, Cambridge, University Press,Massachusetts.
2. Carbough, R.J. (1999), International Economics, International Thompson Publishing; New York.
3. Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill,Kogakusha,Japan.
4. Dana, M.S. (2000), International Economics: Study, Guide and Work Book, (5th Edition), RoutledgePublishers, London.
5. Dunn, R.M. and J.H. Mutti (2000), International. Economics, Routledge, London.
6. Kenen, P.B. (1994), theInternational Economy. Cambridge University Press, London.
7. Kindleberger. C.P. (1973), International Economics and International Economic Policy: A Reader, McGrawHill International, and Singapore.
8. Krugman, P.R and M. Obstfeld(1994), International Economics: Theory and Policy, Glenview,Foresman.

Anita

PAPER -III

PUBLIC ECONOMICS

UNIT-1 Role of Government in organized society, Government in a mixed economy, Public and Private goods, principles of maximum social advantages, Taxation - different forms, principles of taxation, shifting, effects and incidence of taxation, Indian taxes - personal income tax, excise duty, central excise and custom duties, taxes on land and agriculture, taxable capacity.

UNIT-2 Public Expenditure - Different forms of expenditure, economic effect of public expenditure on production and distribution, public expenditure and economic growth in developing countries, Wagner's law of increasing state activities, Wiseman Peacock hypothesis, pure theory of public- expenditure, structure and growth of public expenditure in India.

UNIT-3 Public Debt- different sources of public debt, Redemption of public debt, economic effects of public debt, Burden of public debt. Classical view of public debt, principles of debt management and repayment of public debt, growth of public debt in India.

UNIT-4 Fiscal policy - Objectives of fiscal policy in under-developed countries, economic stability and fiscal policy,' fiscal policy and full employment, balanced budget multiplier, functional finance.

UNIT-5 Finance Commission - Twelfth Finance Commission Report - only, Analysis of Central and State Government Budgets, Financial Administration, Budget and budgetary procedure in India, Gadgil formula, federal finance, principles of federal finance in India.

BASIC READING LIST

1. Atkinsan, A.B: and J.E. Siglitz(1980), Lectures an Public Economics, Tata McGraw Hili,NewYark.
2. Auerbach, A.J. and M. Feldstern (Eds.), Handbook of Public Ecanamics, Vol. 1, North Holland,Amsterdam.
3. Lekhi, R.K.,(2014), Public Finance, Kalyani Publication Ludhiana New Delhi
4. S.K., Sing, (2013) Principal of Public Finance Sahitya Bhavan Publication,Agra.
5. Pant, K.C., (2012) PublicFinance
6. Sinha, V.C.,(2013) Public Finance and Economic, SahityaBhavanPublication.

PAPER -IV
ECONOMICS OF SOCIAL, SECTOR AND ENVIRONMENT

UNIT-1 Welfare Economics - Definition of Welfare Economics, Criterion of Social welfare, Benthem's Criterion, Cordiality Criterion. The Pareto optimality Criterion, KaldorHicks Compensation Criterion, The Bergson Criterion. The problem of second best. Social welfare function, Maximization of Social Welfare. Welfare Maximization in Perfect Competition.

UNIT-2 Environmental Economics - Definition of Environmental economics, Public Goods, Private goods. Market Failure and Public goods. Theory of Externalities -Economics and Diseconomies. External Costs, Marginal social cost, Marginal private cost. Pigouian Taxes and Subsidies Environmental Values use value, Option value, and nonuse value. International Carbon Tax. Environment and W.T.O. Macro-economic policy and Environment.

UNIT-3 Pollution - Classification of Pollution, Control of Pollution, Air Pollution Control, Water, Pollution Control, Pollution Control Strategies, Cost -benefit analysis of pollution; Environmental Laws. Protection of Environment. Environment and Development, Sustainable Development. Population Growth and Environment.

UNIT-4 Resources - Classification of resources, Renewable resources, Nonrenewable resources, Optimal use of resources, Land resources, Forest resources, Social forestry, people' s participation in the management of common and forest lands Energy Efficiency and environment. Energy Taxation-subsidies for Biomass, Automobile Fuels.

UNIT-5 Education - Economics of Education, The Return of education, Expenditure on education, the productivity of education. Human capital, Human capital vs Physical capital, Demand production Benefit of education, Educational Planning. Education and Labour Market. Poverty Unemployment and Education. Health Economics Determinants of health, dimension of health care, Malnutrition. The concept of human life. Inequalities in health- Care and Gender Perspectives.

BASIC READING LIST

1.Baumol, W.J. and W.E. Oates (1988): The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.
2.Berman, P. (Ed.)(1995) : Health Sector Reform in Developing Countries : Making health development sustainable, Boston: Harvard Series on Population and International Health.
3.Blaug, M. (1972): Introduction to Economics of Education J Penguin, London. (15)

4.Bromely, D.W. (Ed.) (1995): Handbook of Environmental Economics, Blackwell, and London.
5.Cohn, E. and T. Gaske (1989) :Economics of Education, Pergamum Press, London.
6.Fisher,A.C. (1981): Resource and Environmental Economics, Cambridge University Press,Cambridge.
7.Hanley, N.J.F. Shoge'rnand B. W hite(1997): Environmental Economics in theory and - Practice,Macmillan.
8.Hussen, A.M. (1999): Principles of Environmental Economics, Routledge, London.
9.Jeroen, C.J.M. van den Bergh (1999)':Handbook'of-Environmental and resource Economics, Edward Elgar Publishing .Ltd: U.K:
10. MadhuRaj -EnvironmentalEconomics.

Anita

PAPER -V
AGRICULTURE ECONOMICS

UNIT-I Nature and scope of Agricultural economics- Traditional and Modern agriculture, role of agriculture in economic development. Problems in rural industrialization, development of Agro-based industries, interdependence between agriculture and industry. Green revolution. Agricultural production, Production function analysis, cost concept in agricultural product, farm budgeting, Resource use and efficiency in Agricultural sector.

UNIT-II Land use, Principles of land utilization, land distribution, Land values and rent, Land reform measures and performance, Land tenures and farming systems, problems of marginal and small farmers. Rural Labour supply, Mobility of labour and labour market in agriculture sector. Nature of employment in rural sector Agriculture wages in India. Male - Female wage difference in agriculture.

UNIT-III Rural Finance - Role of rural capital and rural credit, Rural capital and capital formation, Characteristics and source of rural credit, Institutional and non institutional rural credit, Rural Banks, Commercial Banks,. Regional Rural Banks and Rural credit Co- operatives Societies. Agricultural prices-Agricultural markets, Behavior of agricultural prices, agricultural. Markets and agricultural marketable surplus. Taxation, crop insurance, state policy and Agricultural price policy.

UNIT-IV Agricultural Growth in India - Recent trends, inter-regional variation in growth of agricultural product, cropping pattern, factors affecting productivity, pricing of inputs, role of subsidies, role of technology and input of irrigation in Agricultural sector. Problems and prospects of Globalization and W.T.O. in India Agricultural commodities.

UNIT-V Infrastructure - Infrastructure and economic development, the structure of Transportation costs, Demand for transportation, Cost function in the transport Sector, Telephone utilities, role of postal services, Demand for Energy, Energy conservation, Renewable and Non-conventional Sources of Energy.

BASIC READING LIST

1- Bhahacharjee, J.P. - Studies. in Indian Agricultural Economics.
2- Rao, V.K.R.V.- New Challenge before Indian Agriculture.
3- Mellor, J.W. - TheEconomics of Agricultural Development.
4- Bhadure, A. (1984), the Economic Structure of BackwardAgriculture, Macmillan, Delhi.
5- Bilgrami, S.A.R. (1996), AgriculturalEconomics, Himalaya Publishing House, Delhi.
6- Dantewada, M.L. Et.al,(1991),Indian Agricultural Development Since independence,Oxford & BH, NewDelhi.
7- Government of India (1976), Report of the National Commission of Agriculture, New Delhi.
8- Government of India, Economic Survey (Annual), New Delhi.
9- Joshi, P.C. (1975), Land Reforms in India: Trends and. Prospects. Alled Publishers, Bombay.
10- Rao, C.H.I. Hanumanth(1975), Agricultural Growth, Rural Poverty. And Environmental Degradation in India, Oxford University Press, New Delhi.
11- Rudra, A. (1982),Indian Agricultural Economics, Myths and Relaity, Alled Publishers, New, Delhi.

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