I - SEMESTER

MICRO ECONOMICS – PAPER- 1.1

(Compulsory paper)

COURSE OBJECTIVES:

- *To help students acquire knowledge of some of the important principles and theories of microeconomics.*
- *To provide the foundation for the study of other branches of economics.*
- *To develop analytical, reasoning and graphical presentation skills.*
- *To enable the student to appreciate the utility of economics in day-to-day life.*

METHODOLOGY:

- *Emphasis to be given to teaching concepts.*
- *Theories and laws to be taught with the help of tables and diagrams*
- *Questions to be designed to evaluate a student's ability to use diagrams, explain concepts and evaluate at theoretical levels.*

MODULE - I MICROECONOMICS AND THEORY OF CONSUMPTION

- Scope of microeconomics, limitation and uses. Positive and Normative economics.
- Problem of choice – wants and resources. Basic economic problems common to all economies. Role of price mechanism in a mixed economy. [4 Hrs.]
- Cardinal analysis – Law of diminishing marginal utility, Law of equi-marginal utility. Consumers Surplus (Marshalian). [3 Hrs.]
- Ordinal utility analysis indifference curves – properties, map, price line, consumer equilibrium, price effect, income effect and substitution effect. [5 Hrs.]

[Total : 12 Hours]

MODULE - II DEMAND AND SUPPLY

- Law of demand, Reasons for the downward slope of demand curve, exception to the law, changes in demand. [4 Hrs.]
- Elasticity – kinds, types of price elasticity with diagram, factors determining price elasticity, methods of measurment – per centage method, arc-method, total outlay – method. [6 Hrs.]
- Law of Supply, Changes in supply. [2 Hrs.]

[Total : 12 Hours]

MODULE – III THEORY OF PRODUCTION

- Production function, Law of variable proportions – short-run and long-run. Laws of returns, economies of scale, Iso-quants, Isocosts, production equilibrium. [6 Hrs.]
- Cost – opportunity cost, Real cost, Types – short-run, long-run – Average, Marginal, Fixed, Variable (with diagrams), Long run cost curve. [4 Hrs.]
- Revenue – Average, Marginal, Total. [2 Hrs.]

[Total : 12 Hours]

MODULE – IV PRODUCT PRICING

- Concepts of firm, industry, equilibrium. [1 Hr.]
- Perfect competition, price and output determination, and role of time element in the theory of price determination. [3 Hrs.]
- Monopoly, price output determination, price discrimination.[3 Hrs.]
- Monopolistic competition, Price and output determination, Selling costs, Product differentiation, Wastes in monopolistic competition. [3 Hrs.]
- Oligopoly, features, Duopoly, Monopsony. [2 Hrs.]

[Total : 12 Hours]

MODULE - V FACTOR PRICING

- Nature of factor markets, Marginal productivity theory of distribution. [2 Hrs.]
- Rent – Demand and supply theory, Quasi rent, Transfer earning. [2 Hrs.]
- Wages – Reasons for wage differentials, collective bargaining. [2 Hrs.]
- Interest – Classical, Neo-classical, Keynesian. [2 Hrs.]
- Profit – Dynamic, Innovation, Risk and Uncertainity theory. [2 Hrs.]

READING LIST:

1. Bach, G.L. (1977), *Economics*, Prentice Hall of India, New Delhi
2. Gould, J.P. and Edward P.L. (1996), *Microeconomic Theory*, Richard, Irwin, Homewood.
3. Henderson J and R.E. Quandt (1980), *Microeconomic Theory: A mathematical approach*, McGraw Hill, New Delhi.
4. Heathfield and Wibe (1987), *An Introduction to Cost and Production Functions*, Macmillan, London.
5. Koutsoyiannis, A. (1990), *Modern Microeconomics*, Macmillan.
6. Lipsey, R.G. and K.A. Chrystal (1999), *Principles of Economics* (9th Ed.), Oxford University Press, Oxford.
7. Mansfield, E. (1997), *Microeconomics* (9th Ed.), W.W. Norton and Company, New York
8. Ray, N.C. (1975), *An Introduction of Microeconomics*, Macmillan Company of Indian Ltd., New Delhi.
9. Ryan, W.J.L. (1962), *Price Theory*, Macmillan and Co. Limited, London.
10. Samuelson, P.A. and W.D. Nordaus (1998), *Economics*, Tata McGraw Hill, New Delhi.
11. Stonier, A.W. and D.C. Hague (1972), *A Textbook of Economic Theory*, ELBS and Lognman Group,London.
12. Varian, H.R. (2000), *Intermediate Microeconomics: A Modern Approach* (5th Ed), East West Press, New Delhi.

II- SEMESTER

MACRO ECONOMICS – PAPER – 2.1

COURSE OBJECTIVES:

- *To enable the student to learn the well formulated principles of macro economics*
- *To help the student to understand the integrated working of a modern economy.*
- *To provide the basis for the study of other branches of economics.*
- *To help the student to appreciate the role of government in the economic functioning of a nation.*

MODULE - I MACRO ECONOMICS AND NATIONAL INCOME

- Macro economies, micro-macro paradox, importance and uses of macroeconomics. [3 Hrs.]
- Circular flow of income and wealth [2 Hrs.]
- National income – concepts, methods of calculating national income, problems in the estimation of national income [5 Hrs.]

[TOTAL: 10 Hours]

MODULE - II CLASSICAL AND KEYNESIAN ECONOMICS

- Classical theory of income – output and employment. Say's law of market. Wage price flexibility, critical evaluation [3 Hrs.]
- Keynesian theory of income, output and employment. Effective demand and supply. Consumption function, average and marginal propensity to consume, factors affecting consumption function, investment function – Marginal efficiency of capital. Multiplier, Accelerator, comparison between Classical and Keynesian theories [11 Hrs.]

[TOTAL: 14 Hours]

MODULE - III MONETARY ECONOMICS

- Value of money – cash transaction, cash balance approach – Marshall, Keynes index numbers – simple weighted. [5 Hrs.]
- Commercial banking – portfolio management, credit creation. [3 Hrs.]
- Central banking, methods of credit control-quantitative, qualitative. [5 Hrs.]

[TOTAL: 13 Hours]

MODULE - IV PUBLIC FINANCE

- Public finance meaning, branches, Principle of maximum social advantage. Sources of public revenue. Canons of taxation – Direct and Indirect taxes. Impact and Incidence.
- Effects of taxation on production, consumption and distribution. [8 Hrs.]
- Public expenditure – causes of growth of public expenditure, Effects of public expenditure on production, consumption and distribution [2 Hrs.]
- Public debt – Sources of public borrowing Methods of debt redemption [2 Hrs.]
- Budget – types. [1 Hr.]

[TOTAL: 13 Hours]

MODULE - V INFLATION

- Meaning, approaches- demand-pull and cost push. Effects of inflation on production, consumption and distribution.
- Inflationary gap
- Methods to control inflation – fiscal, monetary and administrative measures
- Trade cycles – phases

[TOTAL: 10 Hours]

READING LIST:

1) Ackley, G. (1976), *Macroeconomics, Theory and Policy*, Macmillan Publishing Company, New York.
2) Day. A.C.L. (1960), *Outline of Monetary Economics*, Oxford University Press, Oxford.
3) Gupta, S.B. (1994), *Monetary Economics*, S.Chand and Co., Delhi.
4) Heijdra, B.J. and F.V. Ploeg (2001), *Foundations of Modern Macroeconomics*, Oxford University Press, Oxford.
5) Lewis, M.k. and P.D. Mizan (2000), *Monetary Economics*, Oxford University Press New Delhi.
6) Shapiro, E. (1996), *Macroeconomic Analysis*, Galgotial Publications, New Delhi.
7) Dillard, D. (1960), *The Economics of John Maynard Keynes*, Crossby Lockwood and Sons, London.
8) Hanson, A.H. (1963), *A Guide to Keynes*, McGraw Hill, New York.
9) Higgins, B.(1963), *Economic Development: Principles, Problems and Policies*, Central Book Depot, Allahabad.
10) Keynes, J.M. (1936), *The General Theory of Employment, Interest and Money*, Macmillan, London.
11) Kindleberger, C.P. (1958), *Economic Development*, McGraw-Hill Book Company, New York
12) Lucas, R. (1981), *Studies in Business Cycle Theory*, MIT Press, Cambridge, Massachusetts.
13) Meier, G.M. and R.E. Baldwin (1957), *Economic Development: Theory, History and Policy*, Wiley & Sons Inc., New York.
14) Powelson, J.P.c. (1960), *National Income and Flow of Funds Analysis*, McGraw Hill, New York.

III- SEMESTER

QUANTITATIVE METHODS – PAPER- 3.1

(Compulsory paper)

COURSE OBJECTIVES:

- ***To help students to acquire some Basic skills in both mathematics and statistics.***
- ***To develop analytical, reasoning and graphical presentation skills.***

METHODOLOGY:

- ***Emphasis to be given on teaching basic concepts and definitions.***
- ***Theories and laws to the taught with the help of simple mathematics and diagrams***

- ***Question to the designed to evaluate a student's ability to use diagrams, explain concepts and evaluate at theoretical levels.***

MODULE – I

- Functions: Linear, Quadratic exponential and logarithmic functions and their simple uses in economics. Market equilibrium –effects of taxes on equilibrium price and quantity. Simple linear Macro models.
- Interest compounding and exponential functions.
- Matrices: Types of matrices-Elementary operations on matrices. Inverse matrix. Methods of solving simultaneous equations using matrices. Determinants and their uses in solving simultaneous equations.

MODULE – II

[TOTAL: 15 Hours]

- Calculus: Simple derivative rules-Partial derivatives. Simple rules of Integration.
- Elasticity theorems- Price Income and cost elasticity. Partial Elasticities of demand-Substitutes and compliments
- Calculation of Total revenue and Total costs curves from their respective MR and MC. Consumer and producer surpluses.
- Maxima and Minima of functions: Simple applications from microeconomics.

MODULE – III

[TOTAL: 15 Hours]

- Definition of statistics: Primary and secondary data. Methods of collecting primary data. Tabulation and presentation of data- graphical representation data.
- Measures of central tendency: Mean, Median and Mode- Geocentric and harmonic means.
- Measures of dispersion: Range, Mean deviation, Inter quartile range and standard deviation.

MODULE – IV

[TOTAL: 15 Hours]

- Correlation analysis: Karl Pearson Coefficient of Correlation. Spear man's Rank correlation.
- Regression analysis: Y on X and X on Y regression calculations.
- Time series analysis: Components of time series-Methods of decomposing trend, Seasonal and cyclical components.

MODULE – V

[TOTAL: 15 Hours]

- Index Numbers: Fixed and Chain based simple relatives. Calculation of composite index numbers.
- Index numbers by aggregates: Laspeyer's, Paache's, and Fisher's index numbers. Time and factor reversal tests.

BASIC READING LIST

[TOTAL: 15 Hours]

1. Allen, R.G.D. (1974), Mathematical Analysis for Economists, Macmillan Press, London.
2. Veerachamy R (2002) Quantitative Methods for Economists New Age International Publishers, New Delhi.
3. Black, J. and J.F. Bradley (1973), Essential Mathematics for Economists, John Wiley and Sons.
4. Chiang, A.C. (1986), Fundamental Methods of Mathematical Economics (3rd Edition), McGraw Hill, New Delhi.
5. Croxton, F.E., D.J. Cowden and S. Klein (1973), Applied General Statistics, Prentice Hall, New Delhi.
6. Gupta, S.C. and V.K. Kapoor (1993), Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.

7. Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book, London.

IV- SEMESTER

INTERNATIONAL ECONOMICS – PAPER – 4.1

(Compulsory paper)

COURSE OBJECTIVES:

- *To enable the students to learn the fundamental theories of international economics.*
- *To enable the students to apply the knowledge gained from the study of micro and macroeconomics in the field of international economics.*
- *To enable the students to understand the international trade system as it exists today.*

MODULE – I THEORIES OF INTERNATIONAL TRADE

- Meaning and importance of international trade [1 Hr.]
- Distinction between interregional and international trade [1 Hr.]
- Classical theories of international trade – Adam Smith and David Ricardo. [3Hrs.]
- General equilibrium analysis – production possibility curve – community indifference curve [3 Hrs.]
- Heckcsher-Ohlin theory – equilibrium under increasing cost. [3 Hrs.]
- Factor price equalization theorem – Offer curves – meaning, reciprocal demand. [1 Hr.]

[TOTAL: 14 Hours]

MODULE – II TRADE AND COMMERCIAL POLICY

- Terms of trade – meaning and concepts – factors – gross, net income terms of trade. [4 Hrs.]
- Trade and development – Prebisch-Singer thesis [2 Hrs.]
- Free trade Vs protection (arguments for and against) [2 Hrs.]
- Tariffs – meaning, types, effects [4 Hrs.]
- Quotas – meaning and types [1 Hr.]

[TOTAL: 14 Hours]

MODULE – III FOREIGN EXCHANGE

- Foreign exchange – meaning & determination of foreign exchange rate [1Hr.]
- Demand and Supply theory of foreign trade (Balance payment theory) [2 Hrs.]
- Purchasing power parity theory [2 Hrs.]
- Fixed and Flexible exchange rate – merits and demerits [3 Hrs.]
- Balance of trade and Balance of payment – causes for disequalibrium of balance of payment – methods to correct disequilibrium [4 Hrs.]

[TOTAL: 13 Hours]

MODULE – IV INTERNATIONAL MONETARY INSTITUTIONS

- International Monetary Fund [IMF] – Objectives – functions, international liquidity [3 Hrs.]
- World Bank [2 Hrs.]
- Asian Development Bank [ADB] [1 Hr.]
- International Development Association. [IDA] [1 Hr.]
- International Financel Corporation. [IFC] [1 Hr.]

[TOTAL: 8 Hours]

MODULE – V ECONOMICS OF INTEGRATION

- Meaning of economic integration [1 Hr.]
- Theory of customs union – partial equilibrium analysis – European Union – objectives and working – Euro currency [2 Hrs.]
- South Asian Association for Regional Co-operation [SAARC]. [1 Hr.]
- Foreign Capital – Role and sources of foreign capital
  - Foreign Direct Investment [F.D.I.]
  - Foreign Institutional Investment [F.I.I]

- Multinational Corporation [M.N.C.] [3 Hrs.]

- General Agreement on Trade and Tariff [GATT] – origin – Uruguay round (Dunkel draft) [2 Hrs.]
- World Trade Organisation [W.T.O] – Factors leading to Globalization. [2 Hrs.]

[TOTAL: 13 Hou

READING LIST:

1. Kindle Berger C.P. *International Economics*
2. Keanen P.B. *The International Economy*
3. Krugman P.R. and M Abstgeld – *International Economics, theory and policy*
4. Ellsworth P – *International Economics*
5. Mannur H.G. – *International Economics*
6. M.L. Jhingan – *International Economics*

V- SEMESTER

INDIAN ECONOMY – PAPER- 5.1 (PART-A)

(Compulsory paper)

COURSE OBJECTIVES

- *To enable a student to have an overview of the working of the Indian economy.*
- *To enable a student to understand the changing trends in the Indian economy.*
- *To enable a student to understand the leading issues in India's economic development*

MODULE I STRUCTURE OF INDIAN ECONOMY

- India – developing economy, features, economic and non- economic [3 Hrs]
- National income – trends, composition,[5 Hrs]
- Regional inequalities – measures to reduce regional inequalities, wage, employme poverty, poverty line, extent, poverty alleviation programmes. [4 Hrs]

[TOTAL: 12 Hou

MODULE II DEMOGRAPHIC PROFILE

- Trends in population growth – growth rate, density, age, sex, size, composition, a population policy – 2000 [5 Hrs.]
- Changes in occupational structure, unemployment – types, extent, measures reduce unemployment [5 Hrs.]
- Rural, Urban migration – extent [2 Hrs.]

[TOTAL: 12 Hou

MODULE III AGRICULTURE

- Trends in agricultural production, causes of low production. [2 Hrs.]
- Agricultural finance – co-operative credit, problems and prospects – NABARD [3 Hrs.]
- Agricultural marketing – defects, agricultural prices – procurement price, pub distribution system [P.D.S.] [4 Hrs.]
- Irrigation – defects, modern irrigation systems – watershed development, dry land farming. [3 Hrs.]

[TOTAL: 12 Hou

MODULE IV INDUSTRY

- Industrial policy resolution -1991 [3 Hrs.]
- Problems of public sector enterprises – disinvestment. [3 Hrs.]
- Engineering industry – information technology (I.T) industry [3 Hrs.]
- Small scale industries – problems, prospects and challenges.[3 Hrs.]

[TOTAL: 12 Hou

MODULE V INFRASTRUCTURE (PHYSICAL AND SOCIAL)

- Sources of power in India – conventional [2 Hrs.]
- Non-conventional energy, energy crisis, power sector reforms [4 Hrs.]
- Universal promotion of primary education, role of government and N.G.O's [3 Hrs.]

- Health sector – immunization. matemal and child health strategies, prevention of communicable diseases [3 Hrs.]

[TOTAL: 12 Hours]

READING LIST

1. Alak G - *Indian Economy, Its nature and problems*
2. Ruddar Dutt - *Indian Economy*
3. Dhingra I.C. - *The Indian Economy*
4. Misra SK and V.K. Puri – *Indian Economy Its Development Experience*
5. Uma Kapila – *An overview of Indian Economics* – volume I – IV
6. Govt. of Karnataka – *Economic Survey* (Latest year)
7. Govt. of Karnataka – *Karnataka at Glance*
8. O.D. Heggade – *Karnataka Economy, Kannada*
9. T. Nanje Gowda – *Karnataka Economy (ILA) Conference*

V- SEMESTER

DEVELOPMENT ECONOMICS- I : PAPER- 5.2 (A) ((PART-A)

(Optional paper)

COURSE OBJECTIVES :

- ***To enable a student to learn the fundamental concepts of Development economics***
- ***To enable a student to develop a logical and analytical view of issues in today's world.***
- ***To enable a student to relate learning to reality in case of development issues like poverty, technology, human resource development etc.***

MODULE – I FUNDAMENTAL CONCEPTS

- Meaning of economic development – distinction between economic growth and economic development [2 Hrs.]
- Measurement of economic development – GNP, PCI, PQLI, HDI, human capabilities, sustainable development [3 Hrs.]
- Gender empowerment - index of development (GED) Factors determining economic development – economic and non-economic factors [3 Hrs.]
- Obstacles to development – vicious circles of poverty, market imperfections social faces. [4 Hrs.]

[TOTAL: 15 hours]

MODULE – II NATURAL RESOURCES AND DEVELOPMENT

- Role of natural resources and its use in economic development [3 Hrs.]
- Reasons for environmental degradation – air, water, and forests [2 Hrs.]
- Meaning of environmental economics ([1 Hr.]
- Market failures to control degradation, choice of instruments – govt. intervention that is polluter pay principle. Awareness and community participation [6 Hrs.]

[TOTAL: 12 hours]

MODULE – III HUMAN RESOURCE AND DEVELOPMENT

- Importance of HRD in economic development. [1 Hr.]
- Components of human capital formation. [2 Hrs.]
- Manpower planning – meaning, manpower shortages, manpower surpluses, strategy for manpower planning. [5 Hrs.]
- Entrepreneurship and development., types and role. [2 Hr.]

[TOTAL: 10 hours]

MODULE – IVCAPITAL RESOURCES AND DEVELOPMENT

- Importance of capital formation – causes for low capital formation [2 Hrs.]
- Sources of finance for economic development – domestic resources, savings, taxation, deficit financing, public borrowings [4 Hrs.]
- External sources – foreign capital – role of foreign capital – foreign aid – tied and untied aid. Private direct investment- constraints. [3 Hrs.]

[TOTAL: 9 hours]

MODULE – V TECHNOLOGY AND DEVELOPMENT

- Role of technology in economic development – channels of technology transfer problems [2 Hrs.]
- Appropriate technology for developing countries [1 Hr.]
- Choice of techniques labour intensive technology, capital intensive technology [4 Hrs.]
- Capital output ratio (COR), Incremental capital output ratio (ICOR), determinants and importance, investment criteria in economic development. [4 Hrs.]
- Capital turnover, SMP, BOP criteria. [3 Hrs.]

[TOTAL: 14 hours

READING LIST:

1) **Ray Debraj** - *Development Economics*
2) **Hent Diana** - *Economic theories of Development*
3) **Gerald M Meier** – *Leading issues in Economic Development – An analysis of competing paradigm*
4) **Meier and Baldwin** – *Economic Development*
5) **Higgins B** – *Economic Development Past and Present*
6) **Todaro – Micheal** – *Economic Development*
7) **Lekhi** *Development Economics*
8) **M.L. Jhingan** – *Economics of Development and planning*
9) **Mishra and Puri** – *Economics of Development and planning*
10) **Das Debendra K** – *Globalisation and Development – Experience and Challenges.* Deep and Deep Publication
11) **Sen Gupta Ramprasad** – *Ecology and Economics*, Oxford University Press
12) **World Bank Reports** – Various issues
13) **Human Development** – Various issues
14) **Asian Development** – Various issues

V- SEMESTER

ECONOMIC DOCTRINES – I : PAPER 5.2(B) (PART – A)

(Optional Paper)

COURSE OBJECTIVES:

- *To enable a student to understand the rich contributions of eminent thinkers to economic thought.*
- *To enable a student to understand the evolution of economic ideas over time.*
- *To enable a student to understand the importance of the economic ideas as developed by various thinkers.*

MODULE - I PRE-CLASSICAL ECONOMIC IDEAS

- Significance of the study of economic doctrines [2 hrs.]
- Ancient economic thought – Hebrew, Greek and Roman [2 Hrs.]
- Mercantilism – Mercantalist ideas, representative mercantalist, decline of mercantllism. [4 Hrs.]
- Physiocracy – factors giving rise to Physiocracy – ideas – representative. Physiocrats, decline of Physiocracy. [4 Hrs.]

[TOTAL: 12 Hours

MODULE - II CLASSICAL SCHOOL

- Tenets of Classicism [2 Hrs.]
- Economic ideas of Adam Smith [2 Hrs.]
- Thomas Robert Malthus [2 Hrs.]
- David Ricardo [2 Hrs.]
- J.B. Say [2 Hrs.]
- J.S. Mill [2 Hrs.]

[TOTAL: 12 Hours]

MODULE III SOCIALIST SCHOOL

- Pre-socialists – Sismondi [2 Hrs.]
- Robert Owen [2 Hrs.]
- Proudhan [2 Hrs.]
- Karl Marx – materialistic interpretation, dialectical materialism, class struggle, theory of surplus value, capitalist crisis, Marxism and Classicism, Marx and Gandhi [6 Hrs.]

[TOTAL: 12 Hours]

MODULE IV MARGINAL SCHOOL

- Significance of the Marginal School [1 Hr.]
- Ideas of the Marginal school [1 Hr.]
- Contributions of Gossen [1 Hr.]
- Karl Menger [2 Hrs.]
- W.S. Jevons [2 Hrs.]
- Leon Walras [2 Hrs.]
- Austrian School [2 Hrs.]
- Böhm Bawerk [2 Hrs.]

[TOTAL: 12 Hours]

MODULE V NEO-CLASSICAL SCHOOL

- Birth of the Neo-classical school [1 Hr.]
- Contributions of Alfred Marshall [3 Hrs.]
- Chamberlain [3 Hrs.]
- Mrs. Joan Robinson [3 Hrs.]
- J.B. Clark [2 Hrs.]

[TOTAL: 12 Hours]

READING LIST:

1. Alexander Gray, *The Development of Economic Doctrines*
2. Arthur Mource, *Early Economic Thought*
3. Eduand Whittaker, *Schools and Streams of Economic thought*
4. Ganguly, *Indian Economic Thought*
5. Guide and Rist, *A History of Economic Doctrines*
6. Hajela T.N., *History of Economic Thought*
7. Haney L.H., *History of Economic Thought*
8. Lekachaman R, *A History of Economic Ideas*
9. Mc Connel J.W., *Ideas of Great Economists*
10. Puttaswamaiah, *Nobel Economists*
11. Spiegel H.W., *The Development of Economic Thought*
12. William J Barber, *A History of Economic Thought*

V-SEMESTER

ENVIRONMENTAL ECONOMICS- I : PAPER – 5.2 (C) (PART-A)

(Optional paper)

COURSE OBJECTIVES:

- ➢ ***To build a student's knowledge of the conceptual and theoretical foundation of environmental economics as a special branch of economics.***
- ➢ ***To appraise a student with emerging environmental issues and policies at national and international levels.***

MODULE - I INTRODUCTION TO ENVIRONMENTAL ECONOMICS

- Environmental economics. need, nature and scope. Ecology and Resource economics. Nature and types of environmental goods [3 Hrs.]
- Individual preference regarding environmental protection – Social choice. [2 Hrs.]

- Cost benefit approach to environment. [3 Hrs.]
- Public goods and private goods, externality, Efficiency and markets – market failure Pigovian fees, polluter pay principles, limits to growth theory. [4Hrs.]

MODULE - II INTRODUCTION TO DEVELOPMENT ECONOMICS **[TOTAL: 12 Hours]**

- Meaning, factors in development, measures, obstacles to development [3 Hrs.]
- Role of natural resources, population, capital, technology, entrepreneur and state in development. [5 Hrs.]
- Relationship between development and environment economics. [4 Hrs.]

MODULE - III NATURAL RESOURCE ECONOMICS **[TOTAL: 12 Hours]**

- Basic concepts – current, potential and resource endowment, renewable, non-renewable. [3 Hrs.]
- Rate of Marketing and regeneration, Rate of extraction and environment cost, Rate of resource exploitation and technological progress. [4 Hrs.]
- Economics of exhaustible resources, resource scarcity, managing renewable resources, free access and problem of common property resources. [4 Hrs.]

MODULE - IV NATURAL RESOURCE AND DEGRADATION **[TOTAL: 12 Hours]**

- Land use, degradation - soil erosion, unsustainable agriculture practices, chemical degradation, physical degradation, consequence, measures to check degradation [4 Hrs.]
- Forest – as a resource, benefits, products, strain on forest resource and economic development. deforestation – extent, causes effects, measures for afforestation - community projects. [4 Hrs.]
- Bio-diversity – loss, extent, development of bio-diversity relationship. Measures preserving bio-diversity – National parks, Sanctuaries. [4 Hrs.]

MODULE V NATURAL RESOURCE AND POLLUTION **[TOTAL: 12 Hours]**

- Water resource balance; source ground and surface, problem. Water pollution - sources, consequences; Development and Water resource management. [3 Hrs.]
- Energy – needs, source, environmental pollution, multi-purpose projects, energy crisis – policy, alternative sources of energy. [3 Hrs.]
- Wastes – problem of waste, nature as a source. Types – bio-degradation and non-bio degradable, poisonous, radio-active waste, Case of pesticides, Waste management. [3 Hrs.]
- Air pollution, Noise pollution extent causes, effects, remedies. [3 Hrs.]

[TOTAL: 12 Hours]

READING LIST:

1. Bhattachargya N, Rabindra (2001) *Environmental Economics – An Indian Perspective*.Oxford University Press, Delhi.
2. Sankar Ulaganathan (2001), *Environmental economics*, Oxford University Press, Delhi.
3. Sengupta, Ramprasad (2001), *Ecology and Economics – An approach to Sustainable Development*, Oxford University Press, Delhi.
4. Kolstad D Charles, (2000) *Environmental economics* Oxford University Press, Delhi.
5. *Our Common future (1987) World commission on Environment & Development*,Oxford University Press.
6. *Compendum of Environmeenl Slalislc (1998)*, C.S.O., Govt. of India.
7. Folmero J Gabel H L (2000) *Principles of Environmental and Resource Economics*, Edward Elgar Publications, London.
8. Hill (1995), *Understanding Environmental Pollution*, Cambridge University Press, London
9. Opschoor (1999) *Environmental economics and Development*, Edward Elgan, London.
10. Pendlston, Graftar, *Dictionary of Environmental and Ecological Economics*

VI-SEMESTER

INDIAN ECONOMY- II : PAPER- 6.1 (PART-B)

(Compulsory paper)

COURSE OBJECTIVES :

- *To enable a student to have an overview of the working of the Indian economy.*
- *To enable a student to understand the changing trends in the Indian economy.*
- *To enable a student to understand the leading issues in India's economic development*

MODULE I FINANCIAL MARKETS

- Features of the Indian money market [1 Hr.]
- Unorganized sector. [1 Hr.]
- Critical review of the performance of nationalisation of commercial banks. [3 Hrs.]
- Monetary policy of the R.B.I. [2 Hrs.]
- Post – 1991 banking reforms. [3 Hrs.]
- I.D.B.I. (1) S.E.B.I [1 Hr.]

[TOTAL: 12 Hours]

MODULE - II FOREIGN TRADE

- Changing structure of Indian exports and imports since independence. [2 Hrs.]
- Causes for disequilibrium in India's balance of payments. [2 Hrs.]
- Trade policy of the Govt. of India since 1991. [3 Hrs.]
- Impact of W.T.O. on India's foreign trade tariffs, subsidies and globalization.[5 Hrs.]

[TOTAL: 12 Hours]

MODULE - III GOVERNMENT FINANCE

- Growth of public expenditure. [1 hr.]
- Source of revenue for the Union Budget – problems of India's tax system[2 Hrs.]
- Deficit financing – Trends and consequences [2 Hrs.]
- Federal Finance – divisions of resources, problems, review of the recommendations of the recent finance commission – Eleventh Finance Commission – Evaluation of India's fiscal policy. [1 Hr.]
- Parallel economy – causes, impact, remedies. [2 Hrs.]

[TOTAL: 12 Hours]

MODULE - IV KARNATAKA ECONOMY

- Overview of Karnataka Economy – G.D.P., P.C.I. growth rate, H.D.I [1Hr.]
- Natural resources – land wise pattern, forest water, mineral resources [2Hrs]
- Population dynamics – growth, composition, density, problems [2 Hrs.]
- Agricultural development in Karnataka, trends in agricultural production. Problems of agriculture in Karnataka [2 Hrs.]

[TOTAL: 12 Hours]

MODULE IV KARNATAKA ECONOMY

- Land holding, irrigation, finance and marketing. [3 Hrs.]
- Sericulture in Karnataka – growth, problems, projects. [2 Hrs.]

[TOTAL: 12 Hours]

MODULE V KARNATAKA ECONOMY

- Recent industrial policy of the Govt. of Karnataka. [2 Hrs.]
- Small scale industry – growth and problems. [2 Hrs.]
- Information technology (I.T) industry in Karnataka – role and growth. [1 Hr.]
- Energy sector – growth and problems. [2 Hrs.]
- Karnataka finances – sources and problems [2 Hrs.]
- Tenth five year plan. [1 Hr.]
- Regional imbalance in Karnataka – indicators – social and economic, causes and remedies.[2 hrs.]

[TOTAL: 12 Hours]

READING LIST

1) Alak G - *Indian Economy, Its nature and problems*
2) Rudhra datt - *Indian Economy*

3) Dhingra I.C. - *The Indian Economy*
4) Misra SK and V.K. Puri - *Indian Economy Its Development Experience*
5) Uma Kapila - *An overview of Indian Economics* - volume I - IV
6) Govt. of Karnataka - *Economic Survey* (Latest year)
7) Govt. of Karnataka - *Karnataka at Glance*
8) O.D. Heggade - *Karnataka Economy, Kannada*
9) D. T. Nanje Gowda - *Karnataka Economy (IEA) Conference*

VI - SEMESTER

DEVELOPMENT ECONOMICS- II : PAPER 6.2 (A) (PART – B)

(Optional paper)

COURSE OBJECTIVES :

- ➢ *To enable a student to learn the fundamental concepts of Development economics.*
- ➢ *To enable a student to relate learning to reality in case of development issues like poverty, technology, and human resource development etc.*
- ➢ *To enable a student to develop a logical and analytical view of issues in today's world.*

MODULE – I THEORIES AND STRATEGIES OF DEVELOPMENT

- Adam Smith [2 Hrs.]
- Karl Marx [3 Hrs.]
- Rostow [3 Hrs.]
- Big push theory [2 Hrs.]
- Critical minimum effort [2 Hrs.]
- Strategies of development – balanced growth and unbalanced growth [4 Hrs.]

[TOTAL: 16 Hours]

MODULE – II STATE AND DEVELOPMENT

- Role of planning in economic development [1 Hr.]
- Types of planning (at conceptual level), direction, inducement, physical, financial, regional, national, short-term, long-term, rolling, decentralized planning [5 Hrs.]
- Macro economic policies for development – monetary and fiscal policies in economic development [4 Hrs.]
- Regional imbalances – indicators, causes and remedies.[2 Hrs.]

[TOTAL: 12 Hours]

MODULE – III SECTORAL VIEW OF DEVELOPMENT

- Role of agriculture in economic development. [2 Hrs.]
- Role of industry in economic development [2 Hrs.]
- Role of service sector in economic development (an overview) [2 Hrs.]
- Role of Infrastructure in economic development [2 Hrs.]
- Transportation and communication sectoral planning [2 Hr.]

[TOTAL: 10 Hours]

MODULE – IV POVERTY AND INEQUALITY

- Poverty – absolute and relative poverty [2 Hrs.]
- Measurement of poverty – Lorenz curve [3 Hrs.]
- A. K. Sen's capability building thesis [1 Hr.]
- Economic inequality between developed and developing countries [2 Hrs.]
- Gender inequality – meaning [2 Hrs.]

[TOTAL: 10 Hours]

MODULE – V INTERNATIONAL ASPECT OF DEVELOPMENT

- Role of foreign trade in economic development [2 Hrs.]
- Secular deterioration in terms of trade for developing nations [3 Hrs.]
- Inward looking and outward looking strategy (domestic & foreign) Globalization pros and cons for developing nations [3 Hrs.]
- MNC's – role and spread [1Hr.]
- World Bank and economic development [1 Hr.]

[TOTAL: 11 Hours]

READING LIST:

1) Ray Debraj - *Development Economics*
2) Hent Diana - *Economic theories of Development – An analysis of competing paradigm*
3) Gerald M Meier – *Leading issues in Economic Development*
4) Meier and Baldwin – *Economic Development*
5) Higgins B – *Economic Development Past and Present*
6) Todaro P Micheal – *Economic Development*
7) Lekhi *Development Economics*
8) M.L. Jhingan – *Economics of Development and planning*
9) Mishra and Puri *Economics of Development and planning*
10) Das Debendra K – *Globalisation and Development – Experience and Challenges.* Deep and Deep Publication
11) Sen Gupta Ramprasad – *Ecology and Economics*, Oxford University Press
12) World Bank Reports – Various issues
13) Human Development – Various issues
14) Asian Development – Various issues

VI- SEMESTER

ECONOMIC DOCTRINES-II : PAPER - 6.2 (B) (PART – B)

(Optional Paper)

COURSE OBJECTIVES:

- ***To enable a student to understand the rich contributions of eminent thinkers to economic thought.***
- ***To enable a student to understand the evolution of economic ideas over time.***
- ***To enable a student to understand the importance of the economic ideas as developed by various thinkers.***

MODULE – I KEYNESIAN SCHOOL

- Emergence of new economics [2 Hrs.]
- Keynes departure from classicism [3 Hrs.]
- Keynesian concept – consumption and investment function, effective demand [3 Hrs.]
- Post –Keynes – Schumpeter [2 Hrs.]
- Gunnar Myrdal [2 Hrs.]

[TOTAL: 12 Hours]

MODULE – II WELFARE SCHOOL

- Pareto [1 Hr.]
- Hobson [1 Hr.]
- Pigou [2 Hrs.]
- J.R. Hicks [2 Hrs.]
- Kenneth K Arrow [2 Hrs.]
- Amartya Sen [2 Hrs.]

[TOTAL: 10 Hours]

MODULE – III GROWTH SCHOOL

- Rosenstein-Rodan [2 Hrs.]
- Nurkse [2 Hrs.]
- Hirschman [2 Hrs.]
- Rostow [2 Hrs.]
- Leibenstein [2 Hrs.]

[TOTAL : 10 Hours]

MODULE – IV INDIAN ECONOMIC THOUGHT

- Kautilya [1 Hr.]
- Dadabhai Naoroji [1 Hr.]
- R.C. Dutt [1 Hr.]
- Mahatma Gandhi [3 Hrs.]

- J.K. Mehta [2 Hrs.]
- C.N. Vakil [2 Hrs.]
- D.R. Gadgil [2 Hrs.]
- Nehru [2 Hrs.]
- P.R.Brahmananda [2 Hrs.]

[TOTAL : 16 Hou

MODULE –V NOBEL ECONOMISTS

- Jan Tinbergen [2 Hrs.]
- Ragnar Frisch [2 Hrs.]
- Paul A. Samuelson [2 Hrs.]
- Milton Friedman [2 Hrs.]
- Simon Kuznets [2 Hrs.]
- W.W. Leontief [2 Hrs.]

[TOTAL: 12 Hou

READING LIST:

1. Alexander Gray, *The Development of Economic Doctrines*
2. Arthur Mource, *Early Economic Thought*
3. Edmand Whittaker, *Schools and Streams of Economic thought*
4. Ganguly, *Indian Economic Thought*
5. Guidy and Rist, *A History of Economic Doctrines*
6. Hajela T.N., *History of Economic Thought*
7. Haney L.H., *History of Economic Thought*
8. Lekachaman R, *A History of Economic Ideas*
9. Mc Connel J.W., *Ideas of Great Economists*
10. Puttaswamaiah, *Nobel Economists*
11. Spiegel H.W., *The Development of Economic Thought*
12. William J Barber, *A History of Economic Thought*

VI - SEMESTER

ENVIRONMENTAL ECONOMICS- II : PAPER – 6.2 (C) (PART-B)

(Optional Paper)

COURSE OBJECTIVES:

- *To build a student's knowledge of the conceptual and theoretical foundation of environment economics as a special branch of economics.*
- *To appraise a student with emerging environmental issues and policies at national a international levels.*

MODULE-I SUSTAINABLE DEVELOPMENT

- Concept, definition, approaches – Hardwick, London School, safe minimum approach, Daly's operational principles [3 Hrs]
- Indications, goal, requirements and obstacles to sustainable development [3 Hrs.]
- Sustainable Vs conventional development. Economics of re-cycling, sustainab agriculture [3 Hrs.]
- Policy approach to sustainable development: political economy of sustainab development. Techno-centric, Eco-centric solution to sustainable developme [3 Hrs.}

[TOTAL: 12 HOURS

MODULE-II POPULATION AND ENVIRONMENT

- Population growth of species, human population theory of demographic transitio growth, density, migration industrialization, pollution, waste. [5 Hrs.]
- Development of technology for population support, food security, ecology of the poo affluent [5 Hrs.]
- Gender and environment [2 Hrs.]

[TOTAL: 12 HOURS]

MODULE – III ENVIRONMENTAL VALUATION AND POLICY INSTRUMENTS

- Need for environmental valuation – Methods Direct – contingent valuation – Indirect – averting behaviour approach, weak complementary approach, and Hedonic approach. Applications of approaches and policy instruments. [4 Hrs.]
- Direct – pollution taxes, changes, and emission trading rights, deposit refund systems, performance bond, and strict liability for pollution. [3 Hrs.]
- Indirect – taxes on outputs of inputs of polluting activities, accelerated depreciation allowance subsidies for adopting cleaner technologies, effluent treatment plants, eco-certification of products, environmental audit.
- Wide effects of environmental regulations [5 Hrs.]

[TOTAL: 12 HOURS]

MODULE – IV ENVIRONMENT ISSUES

- International environmental issues – pollution issues – global warming. acid rain, ozone depletion, desertification – causes, effects [3 Hrs.]
- Ecological issues – tropical rain forests, endangered species. [2 Hrs.]
- International trade issues – domestic environment policy. [2 Hrs.]
- Cost of production, exportable. International co-operation. National issues – case studies, development and environmental issues
- Upper Krishna Project – Narmada River Valley Project – National Parks, Sanctuaries, Project Tiger, Tanneries, Quarries [5 Hrs.]

[TOTAL: 12 HOURS]

MODULE – V ENVIRONMENTAL POLICY IN INDIA

- Ministry of Environment and Forest, Govt. of India – Role, Environmental Legislation in India, Central Pollution Control Board [3 Hrs.]
- State Pollution Control Board – role, function, a brief review of Water Cess Act 1977, Forest Conservation Act, 1980, Wildlife Protection Act, 1972, National Policy for Conservation of Forest and Wildlife. Motor Vehicle Act, 1988. Water Prevention and Pollution Control Act 1974 as amended in 1988. Environment Protection Act, 1986. Hazardous Waste Management Rules, 1989, Bio Medical Waste Management Rules, 1989, Plastic Waste Rules 2001 (State) [5 Hrs.]
- Collective action, Role of NGO's, Environment education and awareness. [4 Hrs.]

[TOTAL: 12 HOURS]

READING LIST:

1. **Alexander Gray**, *The Development of Economic Doctrines*
2. **Arthur Mource**, *Early Economic Thought*
3. **Edmand Writtaker**, *Schools and Streams of Economic thought*
4. **Ganguly**, *Indian Economic Thought*
5. **Guidy and Rist**, *A History of Economic Doctrines*
6. **Hajela T.N.**, *History of Economic Thought*
7. **Hancy L.H.**, *History of Economic Thought*
8. **Lekachaman R**, *A History of Economic Ideas*
9. **Mc Connel J.W.**, *Ideas of Great Economists*
10. **Puttaswamaiah**, *Nobel Economists*
11. **Spiegel H.W.**; *The Development of Economic Thought*
12. **William J Barber**, *A History of Economic Thought*