

M.A-ECONOMICS

PG - SCHEME OF EXAMINATIONS: CBCS PATTERN

(For the students admitted during the academic year 2018-2019 and onwards)

Sub Code	Title of thePaper	Hrs (wk)	Internal (CA) Marks	External Marks	Total Marks	Ext- Min.	Total Pass Mark	Credits
Semester – I								
18MEC11C	Core 1: <i>Advanced Micro Economics – I</i>	8	25	75	100	38	50	4
18MEC12C	Core 2: <i>Theories of Economic Growth and Economic Policies</i>	7	25	75	100	38	50	4
18MEC13C	Core 3: <i>Mathematics for Economists</i>	7	25	75	100	38	50	4
18MEC14C	Core 4: <i>Research Methodology in Economics</i>	8	25	75	100	38	50	4
Semester – II								
18MEC21C	Core 5: <i>Advanced Micro Economics – II</i>	8	25	75	100	38	50	4
18MEC22C	Core 6: <i>International Trade</i>	8	25	75	100	38	50	4
18MEC23C	Core 7: <i>Statistical Methods</i>	7	25	75	100	38	50	4
18MEC24C	Core 8: <i>Computer Applications in Economics</i>	7	25	75	100	38	50	4

Sub Code	Title of thePaper	Hrs (wk)	Internal (CA) Marks	External Marks	Total Marks	Ext- Min.	Total Pass Mark	Credits
Semester – III								
18MEC31C	Core 9: <i>Macro Economics</i>	6	25	75	100	38	50	5
18MEC32C	Core 10: <i>Fiscal Economics</i>	6	25	75	100	38	50	5
18MEC33C	Core 11: <i>Econometrics</i>	6	25	75	100	38	50	5
18MEC34E	Elective – I <i>Industrial Economics</i>	6	25	75	100	38	50	3
18MEC35E	Elective – II <i>Economics of Financial Market</i>	6	25	75	100	38	50	3

Semester – IV								
18MEC41C	Core 12: <i>Monetary Economics</i>	6	25	75	100	38	50	5
18MEC42C	Core 13: <i>Environmental Economics</i>	6	25	75	100	38	50	5
18MEC43C	Core 14: <i>Economics of Human Resources</i>	6	25	75	100	38	50	5
18MEC44E	Elective – III <i>Economics of Agriculture</i>	6	25	75	100	38	50	3
18MEC45E	Elective – IV <i>Economics of Infrastructure</i>	6	25	75	100	38	50	3
18MEC46V	<i>Project Viva Voce</i>		20	80	100	40	50	8
	Total Credits		120		2000			90

Core -Includes core theory, practical and electives

Includes 25/40 continuous Internal Assessment Marks for Theory and Practical papers respectively

Project evaluation done by both Internal and External examiners for 80 Marks.

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	ADVANCED MICRO ECONOMICS – I	I	18MEC11C

OBJECTIVES:

To make the students familiarity with the economic behaviour of individuals, firms and markets.

UNIT- I

Theory of Consumer's Behaviour: Cardinal and Indifference Curve Analysis – Consumer's Equilibrium - Application of Indifference Curve Analysis–Revealed Preference Approach – Revision of Demand Theory.

UNIT- II

Modern Utility Analysis: St.Petersburg Paradox and Bernoullian Hypothesis–Neumann Morgenstern Theory of Decision Making–Friedman Savage Hypothesis–Markovitz Hypothesis.

UNIT- III

Production Function: Linear Homogeneous Production Function–Cobb Douglas Production Function–Optimal Combination of Resources–Maximizing Output for Given Cost–Minimization of Cost Subject to Given Output–Expansion Path – Production Function in a Multi Product Firm–Iso–Revenue Curves.

UNIT- IV

Theory of Cost: Traditional Theory of Cost–Modern Theory of Cost–Analysis of Economies of Scale-Theories of Firms: Price and Output Determination under Perfect Competition–Supply Curve of Firm and Industry under Perfect Competition.

UNIT- V

Short Run and Long Run Equilibrium of the Monopoly Firm–Bilateral Monopoly -Price and Output Determination under Monopolistic Competition–Product Differentiation– Selling Cost.

TEXT BOOKS

1. A. Koutsoyiannis, *Modern Micro- Economics*, Macmillan Press, 1983.
2. William J. Baumol, *Economic Theory and Operations Analysis*, Prentice-Hall India Ltd., New Delhi.
3. Bilas, A. *Micro Economic Theory*, McGraw Hill, 1971.
4. C.E. Ferguson, *Microeconomic Theory*, Richard Irwin, 1966.
5. H.L. Ahuja, *Advanced Economic Theory*, S Chand, 2004.

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	THEORIES OF ECONOMIC GROWTH AND ECONOMIC POLICIES	I	18MEC12C

OBJECTIVES:

To make the students understand the importance of planning as a technique to accelerate economic growth and development.

UNIT- I

Theories of Economic Growth: Theory of Balanced Growth and Unbalanced Growth – Dualistic Theories – Big Push Theory - The Stages of Economic Growth – The Role of State in Economic Development.

UNIT- II

Basic Assumption of Growth Models- Classical – Neo Classical Growth Models- Growth Models: HarrodDomar – Mahalanobis Model.

UNIT- III

Capital Formation and Economic Development – Major Issues of Development –Basic Characteristics of Indian Economy – Agriculture and Economic Development In India – WTO and Indian Agriculture: TRIPS, TRIMS, TRS and Tariff and Non -Tariff Barriers.

UNIT- IV

Industrial Policy since 1991- Privatization - Need and importance -Rationale for Public Sector Enterprise in India-Problems - Disinvestment Policies and Causes of failure.

UNIT- V

Mobilization of Resources for Planning– Foreign Aid, Foreign Capital, Foreign Direct Investment and Multinational corporations-Transfer of Technology – Meaning, Types and Need.

TEXT BOOKS

1. M.L. Jhingan, *Economic Development and Planning*, Chand and & Co. New Delhi.
2. O.S. Shrivastava, *Advanced Economics of development and Planning*, Chand and & Co. New Delhi.
3. RuddarDutt and KPM Sundaram, *Indian Economy- Problems of Development*, Chand & co, New Delhi.
4. I.C. Dhingra, *Indian Economy*, New Delhi: S Chand and son Co Pvt. Ltd.
5. Uma Kapila, *Indian Economy: Performance and Policies*, Academic Foundations, 2008-09.

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	MATHEMATICS FOR ECONOMISTS (Problem 40 %, Theory – 60%)	I	18MEC13C

OBJECTIVES:

To provide knowledge to students on the application of mathematical techniques to represent economic theory, to analyze problems posed in the economy and to formulate and derive key relationships in theory.

UNIT-I

Matrix- Types-Matrix Operations – Determinants-Properties-Solving Equations Using Matrix - Inverse of matrix - Cramer’s Rule. (problems only - not exceeding 3x3 matrix).

UNIT-II

Growth Rate: Simple and Compound - Depreciation – Methods of Calculating Depreciation - Time Value of Money- Future And Present Value, Compounding and Discounting - Annuities.

UNIT-III

Techniques of Derivatives – Simple, Partial and Cross Partial Derivatives - Maxima and Minima of Function of Two Variables - Conditions.

UNIT-IV

Constrained Optimization Techniques: Lagrangian Constrained Optimization-Application to Utility Maximization - Linear Programming- Graphical Method and Simplex Method (Simple Problems).

UNIT- V

Input Output Analysis- Assumptions - Closed and Open Model - Hawkins-Simon Condition - Determination of Valued Added.

TEXT BOOKS

1. Mehta-Madnani , “Mathematics for Economists”, Sulthan Chand & Sons, New Delhi
2. Allen R.G.D, Mathematical Analysis for Economist, Macmillan, 1986
3. Dowling E.T, “Mathematical Methods for Business and Economics”, Schaums Outline Series, McGraw Hill, 1993.
4. Alpha C Chiang, “Fundamental methods of Mathematical Economics” 3ed McGraw Hill, New York.
5. Tara Yamane, “Mathematics for Economics”, 2nd ed. Engle wood Cliffs, New Jercey.
6. P.R.Vittal, “Business Mathematics and Statistics”, Margham Publications, Chennai.
7. Weber. J.D. “Mathematical Analysis – Business and Economic Applications”, Cambridge (1992).

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	RESEARCH METHODOLOGY IN ECONOMICS	I	18MEC14C

OBJECTIVES:

Intended to describe and express the role and importance of research in economic issues and problems and to help the students in problem solving in economic research.

UNIT- I

Meaning and Definitions of Research - importance - scope of research methods - types of research - research process - criteria of good research - case study method.

UNIT – II

Identification of research problem - need for defining the problem - hypothesis - meaning - Definition - kinds and characteristics - formulation and testing of hypothesis ('t test, X² test, level of significance of one tailed and two tailed test).

UNIT – III

Research Design - important concepts - features of good research design - types of research design - types of sampling - sampling Errors.

UNIT – IV

Methods of collection of primary Data - construction of a questionnaire - mailed questionnaire method - Advantages - Limitation – interviewing Techniques - Advantages and Disadvantages - sources of secondary Data - Data processing.

UNIT - V

Interpretation and Report writing: Need for interpretation - Techniques of interpretation - precautions for interpretation - Types of Research Report - characteristics of A Good Research Report - structure And Format of Report - uses of footnotes, References, citations - Bibliography.

TEXT BOOKS

1. Cooper, schindler, Business Research Methods; New Delhi, Tata MaGraw Hill. 2001.
2. C.R. Kothari, Research Methodology: Methods and Techniques, John Wiley & sons (Asia) Pvt. Ltd; 2Rev Edition (13 April1985).
3. Wilkinson and Bhandarkar, Methodology and Techniques of social Research, Himalaya publishing House, Bombay.
4. William J. Goode and P.K Hatt, Methods in Social Research, McGraw-Hill Inc., Singapore, 1952.

Year	Subject Title	Sem.	Sub Code
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2018 -19 Onwards	ADVANCED MICRO ECONOMICS– II	II	18MEC21C
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OBJECTIVES:

To make the students familiarise with the economic behaviour of individuals, firms and markets.

UNIT- I

Pricing Under Oligopoly – Non Collusive Models – Cournot – Bertrand – Edgeworth – Chamberlin – Stackleberg Model – Paul Sweezy’s Kinked Demand Model – Collusive Models – Cartels – Price Leadership Models (Low Cost & Dominant Firm) – Bain’s Limit Pricing.

UNIT- II

Recent Developments in Managerial Theories of Firm – William Baumol’s Sale Revenue Maximising Model – Marris Model of Managerial Enterprise – Williamson’s Model of Managerial Discretion – Behavioural Model of Cyert And March.

UNIT -III

Factor Pricing in Perfectly Competitive Market – Factor Pricing in Imperfectly Competitive Market – Elasticity of Substitution – Euler’s Theorem of Product Exhaustion.

UNIT -IV

General Equilibrium Theory – Interdependence -The Walrasian System- Graphical Treatment of the Two Factors, Two Commodities and Two Consumer General Equilibrium System- General Equilibrium and Resource Allocation.

UNIT- V

Welfare Economics – Criteria of Social Welfare by Adam Smith, Bentham and Cardinalists – Pareto Optimality Criteria – Kaldor Hicks Compensation Criteria – Scitovsky Double Criterion – Bergson’s Social Welfare Criterion – Maximisation of Social Welfare- Derivation of Grand Utility Possibility Frontier.

TEXT BOOKS

1. Koutsoyiannis, Modern Micro – Economics, Macmillan Press,1983.
2. Micro Economics – by - Sankaran
3. C.E.Ferguson, Micro Economic Theory, Richard Irwin,1996
4. Bilas.A, Micro Economic Theory, McGraw Hill, 1971
5. H.L.Ahuja, Advanced Economic Theory, S.Chand, 2004.

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	INTERNATIONAL TRADE	II	18MEC22C

OBJECTIVES

1. To understand the theories governing international trade,
2. To evaluate the policies pursued by various economic bodies in international trade.

UNIT- I

Theory of International Trade: Classical and Modern Theories – Heckscher –Ohlin Theorem – Leontief Paradox –International Trade and Factor Prices –Samuelson Theorem – Haberler Theorem – Terms of Trade – Factors Affecting Terms of Trade – Gain from International Trade and Foreign Trade and Economic Growth.

UNIT- II

Foreign Exchange – Mint Parity Theory – Purchasing Power Parity Theory – Balance of Payments Theory – Foreign Exchange Rate Policy – Fixed Exchange Rate – Flexible Exchange Rate – Foreign Exchange Market – Functions - Spot and Forward Exchange rate.

UNIT- III

Balance of Payment - Balance of Trade – Disequilibrium in Balance of Payments –Causes of disequilibrium - Methods of Correcting Disequilibrium – Balance of Payments Position in India – Tariff and Non - Tariff Barriers – Classification.

UNIT- IV

Export Promotion Council- Structure and Functions – Role of the Councils in India’s Foreign Trade – Commodity Boards and Development Councils – Structure of their Role in India’s Foreign Trade – Special Export Promotion Zones – Recent EXIM Policy in India.

UNIT- V

International Institutions: IMF, GATT, UNCTAD – World Bank – International Development Association, International Finance Corporation – WTO and its impact on India.

TEXT BOOKS

1. Sodersten, Bo and Geoffrey Reed., International Economics, Hong Kong: Macmillan Education Ltd. 1998.
2. M.L. Jhingan, International Economics, Chand & co., New Delhi.
3. Francis Cherunilam, International Business, New Delhi: Wheeler Publishers, 1998.
4. Ministry of Commerce, Export and Import Policy, 1992-97, 1999-2000, Government of India.
5. Government of India, Economic Survey.

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	STATISTICAL METHODS (Theory 60%, Problem 40%)	II	18MEC23C

OBJECTIVES:

1. To strengthen the quantitative background of the learner.
2. To provide tools for scientific research work.

UNIT- I

Testing of Hypotheses - Procedures - Types–Errors in Hypothesis– Standard Error – Estimation - Properties of Good Estimator.

UNIT- II

Test of Hypothesis - Large Sample Tests – Mean Test – Standard Deviation Test – Proportion Test – Correlation Test- Z Transformation Test. Small Samples Test –Student’s ‘T’ Test – F Test – X^2 Test (Simple Problems).

UNIT- III

Probability: Definition – Types – Types of Events – Theories – Binomial, Poisson, Normal Distributions. (Simple Problems)

UNIT- IV

Correlation Analysis – Partial Correlation – Partial Correlation Coefficient – Zero Order – First Order and Second Order Coefficients – Uses and Limitations- Multiple Correlation: Coefficient of Multiple Correlations – Advantages and Limitations.

UNIT- V

Regression Analysis: Correlation and Regression Analysis Comparison- Multiple Regression Analysis- Reliability of Estimates – Coefficient of Multiple Determinations.

TEXT BOOKS

1. S.P. Gupta, Statistical Methods, Sultan Chand & Co., New Delhi.
2. Tara Yaman, Statistics, Yamane, Taro, “Mathematics for Economists”: An Elementary Survey, “2nd Edn. Prentice Hall, New Delhi.
3. D.C. Sancheti and V.K. Kapoor, Statistics: Theory, Methods and Applications, Chand and Co., New Delhi.
4. Grewal P.S, Methods of Statistical Analysis, Streling Publishers Pvt. Ltd., 1990.
5. Gupta S.C., and V.K.Kapoor; Fundamentals of Applied Statistics, Sultan Chand and Sons, 1997.
6. Murray R. Spiegel, Larry J.Stephens, Statistics, (Schaum’s Outline Series), McGraw Hills, 1996.

Year	Subject Title	Sem.	Sub Code
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2018 -19 Onwards	COMPUTER APPLICATIONS IN ECONOMICS	II	18MEC24C
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OBJECTIVES:

To provide the students the basic knowledge on computers and the application of relevant computer software in the application of economic models.

UNIT-I

History of Computer–Uses of Computer - Components of Computer – Input, Output Devices – Storage Devices-Application of Computer in Economics.

UNIT-II

Hardware and Software – Application and System Software- Computer Languages- MachineLanguage-Assembly Language –Assembler- High-Level Language –Compiler-Linker-Interpreter.

UNIT-III

MS Word - Typing, Selecting, Editing and Moving Texts - Saving Documents - Printing Documents - Word Formatting Tools - Headers, Footers, Page Formatting, Footnotes - Tabs, Columns, Sorting.

UNIT-IV

Basics of Excel - Entering Data - Selecting Ranges - Editing Entries - Formatting Entries - Simple Calculation – Sum –Average-Standard Deviation- Creating Graphs.

UNIT V

Definition and Uses of Internet – Salient Features– Uses of Internet in Economic Research – Sources of Economic Data Using internet (CSO, MOSPI, NSS, RBI) – Applications of Statistical Packages - SPSS- Descriptive Statistics using SPSS – Meaning and Uses of E-views and Stata.

TEXT BOOKS

1. Sinha, P.K. Computer Fundamentals, BPB Publications, New Delhi.
2. Raja Raman.V. Fundamentals of Computers, Prentice Hall, New Delhi.
3. Kerns: Essentials of Microsoft Windows, Word and Excel, PHI.
4. Alexis Leon and Mathews Leon:Introduction to Computers with Ms-Office, Tata McGraw.Hill
5. Asthana and BrajBhushan: Statistics for Social Sciences (with SPSS applications), PHI.
6. Corner. E: The Internet, PHI.

Year	Subject Title	Sem.	Sub Code
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2018 -19 Onwards	MACRO ECONOMICS	III	18MEC31C
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OBJECTIVES:

To make the student understand the theories and applications of macro economics.

UNIT- I

Macro Economic Goals - National Income – Concept - Measurement - Problems - Social Accounting - Methods - Flow of Funds in National Economy - Measurements and Problems in National Income Accounting - Methods.

UNIT- II

Classical Theory of Employment - Say's Law - Pigou's Wage Cut Policy - Keynes Theory of Employment, Output and Wage Rigidity - The Liquidity Trap - General Equilibrium in Goods and Money Market - Post Keynesian Development.

UNIT- III

Consumption Function - Keynes' Absolute Income Hypothesis - Permanent Income Hypothesis - Life Cycle Hypothesis - Wealth Effect-The Relative Income Hypothesis - Investment Function - Theories Of Investment- Marginal Efficiency of Capital and Investment (MECI) - The Long Run and Short Run.

UNIT- IV

Multiplier - Static and Dynamic Multiplier - Foreign Trade Multiplier - Relevance To Developing Countries - Accelerator- Super Multiplier- Concept Of Business Cycle - Theories Of Business Cycle(Brief Outline).

UNIT- V

Macro Economic Policies - General Equilibrium -IS-LM Functions – Derivations - Supply Side Economics–Inflation - Theories of Inflation - Philips Curve and Rational Expectations.

TEXT BOOKS

1. Edward Shapiro, Macro Economics, Vikas publishers Pvt. Ltd., New Delhi.
2. Garner Ackely, Macro Economics, Macmillan, New York, 1961
3. Don Friesch, Macro Economics, McGraw Hills, London,
4. M.L. Jhingan, Macro Economic Theory, Vikas Publishing House, New Delhi.
5. Fred R.Glahe, Macro Economics: Theory and Policy, Harcourt Brace Jovanovich, 1985.
6. M.L Seth, Macro Economic, Lakshmi Narain Agarwal.

Year	Subject Title	Sem.	Sub Code
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2018 -19 Onwards	FISCAL ECONOMICS	III	18MEC32C
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OBJECTIVES:

To provide the students an understanding of the overall effect of fiscal policies oneconomic activity.

UNIT- I

Public Finance – Nature and Scope of Public Finance – Musgrave’s Theory- Principles of Maximum Social Advantage- Private Goods – Public Goods – Merit Goods – Market Features – Externalities – Analysis of External Benefits and External Costs.

UNIT- II

Wagner’s Views of Public Expenditure – Wiseman – Peacock Hypothesis – Musgrave and Rostow’s Development Model – Pure Theory of Public Expenditure - Social Cost Benefit Analysis – Evaluation of Public Expenditure – Causes of Growth in Public Expenditure in India - Effect of Public Expenditure.

UNIT- III

Principles of Taxation – The Principles of Equity – Bowen and Lindahl’s Models of Provision of Social Good–Ability To Pay Theory – Effects of Taxation – Modern Theory – Incidence of Taxation and Shifting.

UNIT- IV

Public Debt - Keynesian and Post Keynesian Theories of Public Debt – Techniques of Borrowings – Burden of Public Debt – Public Debt Management – Measures of Redemption- Budgeting – Zero Based and Performance Based Budget.

UNIT- V

Fiscal Policy – Objectives – Functional Finance – Federal Finance – Principles of Federal Finance, Allocation of Resources Between Central And States – Local Finance –Evaluation of Thirteenth Finance Commission Report.

TEXT BOOKS

- 1) Musgrave and Musgrave, Theory of Public Finance, McGraw Hills, London.
- 2) B.P. Tyagi, Public Finance, Jai Prakash Nath, 2004.
- 3) H.D. Bhatia, Public Finance, Vikas Publishing House, 2006.
- 4) Department of Economic Affairs, Report on 11th Finance Commission

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	ECONOMETRICS	III	18MEC33C

OBJECTIVES:

To provide the basic knowledge on the application of econometric tools and techniques to describe economic reality.

UNIT-I

Definition – Scope and Methodology of Econometrics – Goals of Econometrics – Two Variable Regression Model – Theoretical Properties of Estimators – Covariance and Correlation.

UNIT- II

Simple Linear Regression Model – Assumptions of OLSM - Coefficient of Determination (R^2) – Statistical Tests of Significance of Least Square Estimates – Properties of OLSM.

UNIT- III

ANOVA – One Way and Two Way – Regression and ANOVA – Testing the Overall Significance of Regression – Testing the Stability of Regression Coefficients to Sample Size – Chow Test.

UNIT- IV

Forecasting Types – Errors in Two Variable Case – RMS – Confidence Interval - Forecasting with Linear Regression Model – Evaluation of Forecasting – Thiel's Inequality – Janus Quotient.

UNIT- V

Introduction to Simultaneous Equation Model – Introduction to Muticollinearity – Autocorrelation – Hetroscadasticity - Identification – Order and Rank Condition – Rules of Identification.

TEXT BOOKS

1. A.Koutsoiyannis, Theory of Econometrics, McMillan, London.
2. David E.Katz, Introduction to Econometrics, McGraw Hills, Singapore.
3. DamodarGujrati, Basic Econometrics, McGraw Hills, Singapore.
4. DamodarGujrati, Essentials of Econometrics, McGraw Hills, Singapore.
5. LawrenceKlien, Principles of Econometrics, McGraw Hills, Singapore.

Year	Subject Title	Sem.	Sub Code
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2018 -19 Onwards	INDUSTRIAL ECONOMICS ELECTIVE-I	III	18MEC34E
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OBJECTIVES:

To enable the students to understand the significance of Industrial Economics.

UNIT- I

Meaning of Firm and Industry- Industrial Efficiency - Determinants of Economic Efficiency- Measurement of the Efficiency Levels- Concept and Organization of a firm - Ownership, Control and Objectives of the firm, Size and Growth of a firm- Types of Organizational Form- Business Motives.

UNIT- II

Industrial Location- Locational Theories- The Geographical Concentration- The Central Place Theory- Renner Theory- Rawstones Principles - Weber Theory - Sargent Florence Theory- Losch Theory.

UNIT- III

Industrial Productivity- Productivity efficiency - Factors influencing productivity - Measurement of Productivity-Concepts -Scope and Significance- Tools of Productivity- Indian situation. Labour Productivity- Determinants of Labour Productivity - Productivity Movements in India.

UNIT- IV

Industrial Policy in India - Classification of Industries – Objectives - Licensing System- Regulative Measures- Role of Public Sector and Private Sector- Competition Act 2002.

UNIT- V

Industrial Financial System: Sources -Institutions providing Institutional Finance- IFCI, IDBI, ICICI, NIDC, SFCs, SIDBI and EXIM Bank.

TEXT BOOKS

1. Kuchchal, S.C, “Industrial economy of India”, Chaitanya Publishing House, Allahabad.
2. Ahulluwalia, I.J, “Industrial Growth in India”, OUP, New Delhi.
3. Barathwal, R.R, “Industrial Economics.
4. Cherunilam, F, “Industrial Economics-Indian Perspective.
5. Desai B, “Industrial Economy of India”.

Year	Subject Title	Sem.	Sub Code
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2018 -19 Onwards	ECONOMICS OF FINANCIAL MARKETS ELECTIVE- II	III	18MEC35E
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OBJECTIVES:

To make the students undertake a rigorous study of the theory and empirical evidence relevant to institutional portfolio management.

UNIT - I

Introduction: Concepts of Investment- Objectives of Financial Investment, Investment Methods –Security and Non-Security Forms of Investment – Sources of Investment Information- Investment Instruments.

UNIT- II

Financial Markets – Primary and Secondary Markets – Instruments in Secondary Market - Functioning of Stock Exchanges – Listing of Securities - NSE & BSE.

UNIT- III

Valuation of Securities – Bond and Fixed Income Instruments Valuation –Bond Pricing Theorems, Valuation of Equity and Preference Shares - Risk & Return: Concept of Total Risk, Systematic and Unsystematic Risk.

UNIT- IV

Behaviour of Stock Market Prices– Efficiency Market Hypothesis for Security Analysis and Portfolio Management - Asset Pricing Theories, CAPM & Arbitrage Pricing Theories. Option And Futures Markets - Stock Index Futures, Interest Rate Futures, Swaps – Active Portfolio Management- Kinds of Dividends - Factors Affecting Dividend decisions of Firms.

UNIT- V

Modern Portfolio Theory– Portfolio Diversification and Optimal Portfolio –Markowitz Diversification Model, Mutual Funds: Meaning – importance – types – Advantages and disadvantages.

TEXT BOOKS

1. Prasanna Chandra, Investment Analysis and Portfolio management — TMH - 2nd Edition, 2005.
2. Bhalla, V.K, Investment Management, S.Chand & Co.
3. Fisher and Jordan, Security Analysis & Portfolio Management, Prentice Hall India Ltd.
4. Prasanna Chandra, Investment Analysis and Portfolio Management, Tata McGraw-Hill Publishing Co. Ltd. New Delhi, 2003.
5. Punithavathy Pandian – Security Analysis & Portfolio Management, Vikas Publishing House, 2005.
6. Avadhani , V.A, Securities Analysis & Portfolio Mgmt. – Himalaya Publishing House, Mumbai, 2003.

Year	Subject Title	Sem.	Sub Code
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2018 -19 Onwards	MONETARY ECONOMICS	IV	18MEC41C
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OBJECTIVES:

Aims at providing the students the monetary models-the sources of aggregate fluctuations, the channels through which changes in monetary policy and other developments are transmitted to the macro economy, and households' and firms' decisions about consumption, investment, prices, and other variables that are critical to aggregate fluctuations.

UNIT- I

Money Supply: Definitions-Monetary Resources and Liquidity – RBI's Analysis of Money Supply – Determinants of Money Supply – High Powered Money – Money Multiplier Process – Factors Affecting – Adjusted H.

UNIT- II

Integration of Monetary Theory and Value Theory – Keynes's Theory of Money– Monetary Analysis: Restatement of Milton Friedman- Don Patinkin's Real Balance Effect.

UNIT- III

Transmission Mechanism – Monetarist Vs Fiscalists – Tobin's Portfolio Selection Model – Transaction Demand for Cash – An Inventory Theoretic Approach – W.J. Baumol.

UNIT- IV

Radcliff Committee Report - Narasimham Committee Report – Demand and Supply of Financial Assets – Financial Intermediation and Money Supply.

UNIT - V

Issues in Monetary Policy – Strategies – Goals- Lags – Choice of Policy Instruments – Current Trends in RBI's Monetary Policy- Demonetisation in India.

TEXT BOOKS

1. Thomas F. Cargil, *The financial System and Monetary Policy*, Englewood Cliffs, N.J.: Prentice-Hall, Inc., 1979.
2. M.L. Jhingan, *Monetary Theory*, VrindaPublications, New Delhi.
3. Gurley and Shaw, *Money in a theory of Finance*, Cambridge. ∴ HarvardUniversity Press, 1967.
4. Don Patinkin, *Monetary Economics*, New York: Harper & Row, 1972.
5. Government of India, *Economic Survey*.

Year	Subject Title	Sem.	Sub Code
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2018 -19 Onwards	ENVIRONMENTAL ECONOMICS	IV	18MEC42C
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OBJECTIVES:

To impart the students the knowledge on the environmental principles in the context of economic development.

UNIT- I

Concepts: Environmental Economics – Definition – Nature – Scope- Ecology – Ecological Imbalances – Sustainable Development – Entropy- Win-Win Trade off -Material Balance - Relationship between Environment and Economics.

UNIT- II

Theory of Externalities – Externalities under Perfect Competition - Imperfect Competition - Pigou’s Version – Market Failure – Pareto Optimality – Coase Theorem –Limit to Growth.

UNIT- III

Environmental Problems- Air, Water, Noise and Solid Pollution – E- Waste - their Cause and Effects – SolidWasteManagement-Urbanization and its effects on Environment– Deforestation – Climate change - Global warming – Common Property Resource – Renewable and Non –Renewable Resources.

UNIT- IV

Environmental Impact Assessment - Measurement of Environmental Damages – Cost Benefits Analysis-Contingent Valuation Techniques – Travel Cost Method – Hedonic Pricing- Carbon Trading.

UNIT- V

Environmental Policies – World Summit - International Environmental Policy - India’s Environmental Policy – Efforts of Govt. to control pollution – Dept. of environment - India’s Environmental Laws.

TEXT BOOKS

1. M.Karpagam, *Environmental Economics: A Text Book*, Sterling Publishers Pvt. Ltd., New Delhi.
2. U.Shankar (Ed). *Environmental Economics*, OxfordUniversity Press, New Delhi, 2000.
3. RamprasadSenguptha, *Ecology and Economics*, OxfordUniversity Press, New Delhi, 2000.
4. Rabindranath Bhattacharya, *Environmental Economics*, Oxford University Press, New Delhi.
5. RamprasadSengupta, *Environmental Economics: Recent titles*, Oxford University Press, New Delhi.

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	ECONOMICS OF HUMAN RESOURCES	IV	18MEC43C

OBJECTIVES:

Intended to outline some of the important theories of economics as they apply to human resources and to impart knowledge on the importance of education and health – the components of Human resources to economic Development.

UNIT- 1

Human Resources-Meaning and Definition-Importance of Human Resources- Theory of Investment in Human Capital-Return to Investment in Human Capital-The Rate of Return Approach-HDI and HD Report.

UNIT-II

Educational Investment-Characteristics of Educational Investment-Educational Priorities – The Rate of Return to Investment on Education-Benefits of Education-Direct and Indirect Benefits, Private and Social Benefits- Contribution of Education to Economic Growth.

UNIT-III

Supply of Human Resources-Fertility-Mortality-Population Growth –Causes, consequences and Controlling Measures-Theories of Population Growth-Indian Population Policy – Demographic Dividend.

UNIT-IV

Economics of Health: Concept –Health and Health Care –Gossen Theory –Grossman’s Model –Resource allocation in the Health Sector –the demand for health services –The Role of health in Economic Development – Determinants of Health – Health Insurance in India.

UNIT-V

Migration –Internal, External –Causes and Effects of Migration –Harris –Todaro Model-Brain Drain –Causes and Consequences.

TEXT BOOKS

- 1.Becker,G.S(1974)Human Capital.2ndEdn., NBER,New York
- 2.Blaug.M, An introduction to Economics of Education, Penguin Books and ELBS.
- 3.Psacharopoulos.G. Economics of Education – Research Studies Program Press
- 4.Rao T.V (1996) Human Resources Development, Experience,Interactions, Strategies.Sage Publications, New Delhi.
- 5.Klarman,H.E (1965)Economics of Health, Columbia University Press,New York.
- 6.Panchamukhi,P.R(1980)Economics of Health: A Trend Report, ICSSR Survey,Allied,New Delhi.
- 7.Sodhi,T.S.Education and Economic Development,Vikas Publishing House,1986
- 8.Srinivasan.K(1998) Basic Demographic Techniques and Applications,Sage, New Delhi.

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	ECONOMICS OF AGRICULTURE ELECTIVE- III	IV	18MEC44E

OBJECTIVES:

To familiarize the students with a detailed issues of agricultural economics and make them to understand the importance of this sector .

UNIT-1

The Nature of Agriculture - Scope and Significance – Interdependence between agriculture and industry- Role of Agriculture in India's Economic Development – Agricultural development under five year plans.

UNIT- II

Agricultural Productivity: Causes for Low Productivity, Consequences, and Measures- Size and Efficiency Relations in Indian Agriculture- Role of Technology in Agriculture - Structural change in agriculture

UNIT- III

Agricultural Labour: Definition – Types – causes and growth of agricultural labourers - unemployment conditions - problems of Agricultural labourers - measures adopted by the government for improvement- Agricultural minimum wages.

UNIT- IV

Agricultural Finance -Types, Sources and Problems of Agricultural Finance - Role of Cooperatives Banks in Rural Finance- Commercial Banks Regional Rural Banks and NABARD in Rural Finance.

UNIT-V

Agricultural Price Policy - Objectives of Agricultural Price Policy- Instruments and Impact - Agricultural Marketing - Minimum Support Price - Agricultural Subsidy - Food Security in India and Public Distribution System.

TEXT BOOKS

1. C.B.Memoria, Agricultural Problems in India, HPH.
2. Sankara, Agricultural Economics, Margham, Publication, Chennai.
3. Vasant Desai, Agricultural Economics and rural Development, Jai Prakash North, Meerut, 1996.
4. Ashok Rudra, Indian Agricultural Economics, Myths .and Realities, Allied Publishers. New Delhi, 1982.

Year	Subject Title	Sem.	Sub Code
2018 -19 Onwards	ECONOMICS OF INFRASTRUCTURE ELECTIVE- IV	IV	18MEC45E

OBJECTIVES:

To help the students to understand the strengths of infrastructure and to familiarize the various dimensions of infrastructure.

UNIT – I

Infrastructure and Economic Development – Infrastructure as a public good- social and physical infrastructure – Characteristics of Public utilities – Methods of pricing public utilities.

UNIT – II

The structure of Transport sector in India - Transport sector and pricing principles – Demand for and supply of transport – Government intervention in transport sector.

UNIT – III

Role of energy in the process of economic development – Factors Determining Demand for Energy - Effects of energy shortage – Energy conservation – Conventional and Nonconventional sources of energy – Energy policy in India: Objectives and features.

UNIT – IV

The concept of social infrastructure – Education and economic growth – Human capital Vs Physical capital – Components of human capital – Cost of education – Private cost – Social cost – Trends in public expenditure on education in India since 1991.

UNIT – V

Demand supply of health care – Financing of health care – Health insurance: Meaning – Importance – Need for health insurance – Role of private and public sector in health insurance.

TEXT BOOKS

1. Bru, R. V., Private Health care in India – Social characteristics and Trends, Sage, New Delhi, 1998.
2. Berman, P. (ed.) Human Health Sector Reforms in Developing countries – Making Health Development Sustainable, Harvard Series on Population and International Health, Boston, 1995.
3. Blaug, M, An Introduction to Economic Education, Penguin, London, 1972.
4. Chhen, E. and Gaske, T., Economic of Education, Penguin, London, 1982.
5. Kneafsey, J. T., Transportation – Economic Analysis, Lexington, Torouts, 1975.
6. NCAER, India Infrastructure Report: Policy Implications for growth and Development, NCAER, New Delhi, 1996.
7. Norton, H.S., Modern Transport Economics, C.E. Merrill, London, 1971.
8. Parikh, K. S. (ed.) Indian Development Report, 1999-2000, Oxford University Press, New Delhi, 2000.
9. Raghuram, G., and Rekha, J. Infrastructure Development and Financing, Mac Milan, New Delhi, 1999.
10. Crew, M. A. and P. R. Kleindorfer (1979), Public Utility Economics, Mac Millan, London.
11. Indian Council of Social Science Research (ICSSR) (1976), Economics of Infrastructure, Vol. VI, New Delhi.