UNIVERSITY OF RAJASTHAN
JAIPUR

SYLLABUS

M.A. ECONOMICS

(Semester Scheme)

I & II Semester 2019-2020
III & IV Semester 2020-2021
Revised Syllabus of M.A. Economics (Semester Scheme)

The Department of Economics offers four semesters full-time M.A. Degree Course having twenty four courses in all, Out of which twelve courses are compulsory core course and rest twelve elective core courses. Each paper of three hour during with maximum 100 marks will fetch 6 credits.

Note: Each question paper shall consist of three parts. Part A shall contain 10 questions carrying two marks each. The candidate is required to answer each question in 20 words. Part B shall contain four questions carrying five marks each. The candidate is required to answer each question in 150 words. Part C shall contain three questions (one from each module) with internal choice carrying 20 marks each.

Courses for Semester –I

Compulsory Core Courses (CCC)
Paper I (ECO 101) - Microeconomics Theory-I
Paper II (ECO 102) - Macroeconomics Theory-I
Paper III (ECO 103) - Mathematical Methods for Economics

Elective Core Courses (ECC)
The candidate is required to select any three elective courses from the following:
Paper ECO A01 : Environmental Economics-I
Paper ECO A02 : Demography-I
Paper ECO A03 : Agricultural Economics-I
Paper ECO A04 : Industrial Economics-I
Paper ECO A05 : Mathematical Economics-I
Paper ECO A06 : Indian Banking System
Paper ECO A07 : Mathematical Statistics-I

Courses for Semester –II

Compulsory Core Courses (CCC)
Paper V (ECO 201) - Microeconomics Theory-II
Paper VI (ECO 202) - Macroeconomics Theory-II
Paper VII (ECO 203) – Statistical Methods

Elective Core Courses (ECC)
The candidate is required to select any three elective courses from the following:
Paper ECO B01 : Environmental Economics-II
Paper ECO B02 : Demography-II
Paper ECO B03 : Agricultural Economics-II
Paper ECO B04 : Industrial Economics-II
Paper ECO B05 : Mathematical Economics-II
Paper ECO B06 : Indian Financial System
Paper ECO B07 : Mathematical Statistics-II

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Courses for Semester –III

Compulsory Core Courses (CCC)
Paper IX (ECO 301) – Public Economics-I
Paper X (ECO 302) – International Trade Theory
Paper XI (ECO 303) – Economics of Development and Growth-I

Elective Core Courses (ECC)
The candidate is required to select any three elective courses from the following:
Paper ECO C01 : Economics of Infrastructure-I
Paper ECO C02 : Econometrics-I
Paper ECO C03 : Indian Economics Development and Policy-I
Paper ECO C04 : International Finance
Paper ECO C05 : Health Economics-I
Paper ECO C06 : Computer Application in Economics-

Courses for Semester –IV

Compulsory Core Courses (CCC)
Paper XIII (ECO 401) – Public Economics-II
Paper XIV (ECO 402) – Trade Policy and International Monetary System
Paper XV (ECO 403) – Economics of Development and Growth-II

Elective Core Courses (ECC)
The candidate is required to select any three elective courses from the following:
Paper ECO D01: Economics of Infrastructure-II
Paper ECO D02 : Econometrics-II
Paper ECO D03 : Indian Economics Development and Policy-II
Paper ECO D04 : Survey Method
Paper ECO D05 : Health Economics-II
Paper ECO D06 : History of Economic Thought
Semester -1

Compulsory-Core Courses

Paper-I (ECO 101) Microeconomics Theory -1

Module -1


Module -2


Module -3


Books Recommended:


Paper-II (ECO 102) Macroeconomic Theory -1

Module -1


Module -2

Consumption Function – Determinants, Consumption Function Hypotheses: Absolute, Relative, Permanent Income hypotheses and Life Cycle Hypothesis; Investment Function-
Neo-Classical Theory of Investment, Stock Market and Tobins’ Q ratio and Neo – Keynesian Theory of investment; Theories of Accelerator.

**Module -3**

Classical, Keynesian, and Post Keynesian Theories of Demand for Money- Inventory Theory of Baumol and Portfolio Balance Theory of Tobin; Restatement of Quantity Theory of Money by Milton Friedman and Patinkin’s Theory for Money Demand; Supply of Money- Measurement, Components, Determinants, High- Powered Money & Money Multiplier and Theories of Money Supply.

**Books Recommended:**

1. Errol D’ Souza, Macroeconomics, Person Education.

**Paper–III (ECO 103) Mathematical Methods for Economics**

**Module -1**

Concept of a Function: Limit, Continuity and Differentiability of a Real Valued Function; Concave and Convex Functions. Derivatives – Simple Differentiation; Maxima, Minima and Point of inflexion and Applications of Simple Differentiation in Economics, Partial Differentiation and Unconstrained and Constrained Optimisation (Two independent Variable Case). Simple Applications in Economics.

**Module -2**

Integration: Indefinite and Definite; Applications, First Order Difference and Differential Equations and their Application in Economics

**Module -3**

Matrices and Determinants and their Applications in Economics, Vectors, Input-Output Model, Linear Programming (graphical and simplex methods). Game Theory

**Books Recommended :**

5. Alpha C. Chiang: Fundamental Methods of Mathematical Economics, McGraw Hill, Tokyo

**Elective Core – Courses**

The candidate is required to select any three elective courses from the following:

**(ECO A01): Environmental Economics – I**

**Module -1**


**Module -2**

Air Pollution: Types of Pollutants and their impact.

Water Pollution: Concepts of BOD and COD, pH values, Fluoride; Fertilizer use.


**Module -3**


**Books Recommended:**


(ECO A02): Demography-I

Module 1
Introduction to Population Study: Its Nature and Scope; Relationship with other disciplines; Sources of Demographic Data: Census of India; Vital Registration System, Sample Surveys; Dual report system; Population registers; International Publications. Population growth in India. Recent census findings on demographic characteristics. Population theories: Malthus; Optimum population theory; Theory of Demographic Transition.

Module 2
Fertility: Basic Terms; sources of Data; Basic Measures: Crude Birth Rate, General Fertility Rate, Age specific fertility rate, Total Fertility Rate; Measures of Reproduction: Gross Reproduction Rate, Net Reproduction Rate; Bongaarts Proximate Determinants of Fertility; Social theories of fertility: Social Capillarity; Theory of diffusion, Theory of change and response, Liebenstein theory; Becker’s theory, Caldwell wealth flows theory, UN Threshold hypothesis.

Module 3
Mortality: Basic Concepts and terms; Measures: Crude Death rate, Age specific death rate, Infant mortality rate; Maternal mortality; Causes of death; Reasons for mortality decline in developing countries. Mosley and Chen’s Framework for Child Survival. Morbidity: Concept and need; Measures: Incidence rate, Attack rate, Secondary Attack rate, Prevalence rate, Case fatality rate. Comparison of Demographic and epidemiological transition; Epidemiology traid and web causation models in epidemiology.

Reading List
5. National Family Health Surveys

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(ECO A03): Agricultural Economics - I

Module -1

Module -2
Agricultural Production: Uniqueness of Agricultural Production: Various Types of Factor Product, Factor- Factor and Product- Product Relations: Cobb-Douglas and CES production Functions Role of Farm Size and Structure in Equilibrium, Productivity, and Return to scale, Sources and Barriers to Agricultural Development.

Module -3
Agricultural Transformation: Schultz Theory of Transformation of Traditional Agriculture, Agricultural Transformation: India Experience

Products, Characteristics of Supply of farm Products, Supply Response of Farm Products; Role of Price and Non- Price Factors in inducing Aggregate Supply, Empirical Supply Response Functions and Evidence,

Books recommended:

(ECO A04) : Industrial Economics –I

Module -1

Industrialization and Development Interdependence of Industrial Sectors; Backward and Forward Linkages. Location of Industries. Theories and Measures of Industrial Localization (Sargent F. & A. Weber). Localization of Industries in India. Industrial Project Selection Criteria.

Module-2


Module -3


Books Recommended:


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Module -1
Theory of Consumer Behavior-Nature of a Utility Function; Properties of an Indifference Curve; Maximization of Utility; Demand Functions: Ordinary and Compensated, Price and Income Elasticity. Elasticity Relations in Demand Analysis and Restrictions on Demand Functions; Slutsky Equation - n- Commodity Case, Elasticity Form and Important Results: Income and Leisure: Derivation of Labour Supply function and its Properties; Linear Expenditure System- Properties and Derivation of Linear Demand Function : Homogeneous and Homothetic Utility Functions; Indirect Utility Functions- Properties, Derivation, Roy’s Identity and Derivation of Direct and Inverse Demand Functions: Consumer’s Surplus.

Module -2

Module -3
Input Demand Functions – Properties and Derivation of Producers Input Demand Functions (through profit maximization) : Cost Functions – Properties and Derivation of Short run and Long Run Cost Functions (through profit maximization); Determination of Optimum Plant Size; Perfect Competition- Market Demand , Producer Demand, Supply Functions (Short Run and Long Run) External Economies and Diseconomies. Commodity Market Equilibrium Under perfect Competition (Short Run and Long Run), Differential Cost Conditions and Rent, Effects of Taxes on optimum output Level, Supply Function and Price Level.

Note: Use of non- programmable calculator is permitted

Books Recommended :
2. RGD Allen, Mathematical Economics, Macmillan

(EO A06) : Indian Banking System
Module -1
Indian Banking System as on the eve of bank Nationalization, Structure and Development of commercial banks in India since 1969. Branch expansion Programme and policy, deposit
mobilization and sectoral allocation of Bank Credit. Concept of social and mass banking. Priority sector advances and advance to the neglected sections of the society.
Financial Sector Reforms- Context, need and objectives. Implementations of the Narsimham Committee recommendations. Issues in financial reforms.

Module -2
Rural Banking – Overall Structure and review of the contribution of major credit cooperatives, commercial banks and Regional Rural banks including NABARD.

Module -3

Books Recommended :
1. S.B. Gupta: Monetary Planning for India (Latest Ed.)
3. L.M. Bhole : Impacts of Monetary Policy.
9. RBI Report on trend and progress of Banking in Banking in India (latest edn.)
11. Y.V Reddy Monetary and Financial Sector Reforms in India. UBSPD. New Delhi.

(ECO A07) : Mathematical Statistics –I

Module 1

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Module -2


Module -3


Books Recommended:

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Jaipur
SEMESTER -2

COMPULSORY CORE COURSES

Paper V (ECO 201) – Microeconomics Theory- II

Module - I


Module - 2


Factor Pricing under Perfect and Imperfect Competition: Determination of Wages, Rent, Interest and profit, Macro Theories of Distribution- Ricardo, Marx, Kalecki and Kaldor’s Models.

Module - 3


Books Recommended :


Paper VI (ECO 202) – Macroeconomic Theory-II

Module - 1


Module - 2

Open Economy Macroeconomics- Trade Balance, Exchange Rates and International Monetary System; Mundell- Fleming Model: Analysis of Fiscal, Monetary and Trade Policies.

**Module -3**


**Books recommended:**

2. Errol D’ souza , Macroeconomics, Pearson Education.
4. P.Edgemond, Macroeconomics, PHI, New Delhi
5. Gregory Mankiw, Macroeconomics, CBS Publishers. New Delhi

**Paper VII (ECO 203) - Statistical Methods**

**Module-I**

Measures of Central Tendency, Dispersion, Skewness, and Kurtosis, Measurement of Inequality Lorenz Curve and Gini Coefficient.

Correlation, Simple Regression and Interpretation of Multiple linear Regression Equation.

**Module -2**

Analysis of Time Series and Curve Fitting, Index Numbers.

Probability, Mathematical Expectation, Probability Distributions (Binomial, Poisson, and Normal)

**Module -3**

Sample and Survey Methods, Testing of Hypothesis, Application of Z, t, F & X² tests, Association of Attributes, Analysis of Variance.

**Book recommended:**

1. S.P. Gupta: Statistical Methods, Sultan Chand & Sons, New Delhi

**Elective Core Courses**

The candidate is required to select any three elective courses from the following:

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Module-1


Module -2


Module -3

Regulation with unknown Control Cost: Unknown Polluter Characteristics (Adverse Selection problem), Unobserved Control Cost- emission fees or quantity regulation, Hybrid price Quantity regulation, Obtaining Private Control Cost Information, Enforcement, Dynamics and Commitment and Moral hazard. Environmental Risk and uncertainty: Regulating Risk with Liability. Liability versus Direct Regulation and Environmental Risk and Insurance.

Books Recommended :


Module -1

Sex and Age structure: Factors affecting sex ratio and age structure of population, Age Pyramid; Population Ageing and its economic implications. Life table: Introduction, Types, columns, Method of Construction of Abridged Life Tables based on Conventional method; Model life table: Concept and four types of Model Life Tables (United Nations Model Life Tables, Coale and Demeny’s regional Model Life Tables, Brass Logit Life table, New UN Model Life Tables for developing countries)

Dy. Registrar (Academic-I)
University of Rajasthan
Jaipur
Module -2
Migration: Concept and Basic terms; Sources of data, Direct and Indirect methods of measuring internal migration. Differential migration. General theories of internal migration. Everett Lee’s conceptual framework for migration analysis. Urbanization: Concept, Degree and tempo of Urbanization. Standardization: Direct and Indirect Standardization of Crude Birth and Death Rates;

Module 3
Gender: Understanding Gender, Feminist theory (Liberal Feminism, Marxist, Post Modern, Radical Feminism); Women Empowerment: Concept, Process and Approaches; Gender Development Index, Gender Empowerment Measure; Gender Differentials in Access to resources: Education, Employment, Female labor participation, Household headship and Political representation of women; Domestic violence. National Population Policy;

Reading List

Dy. Registrar (Academic-I)
University of Rajasthan
Jaipur
(ECO B03): Agricultural Economics-II

Module-1
Agricultural Finance: Financial Characteristics of Agriculture, Imperfect information [Agency Relationship. Adverse Selection and Moral Hazard] and Enforcement Problems in Credit Markets: Segmented Rural Credit Markets. Resolving Information and Incentive Problems; Managing Borrower’s credit Risks; Agribusiness and trade Financing and Rationale for Government Intervention in Rural Credit markets. Structure and Functioning of Rural Credit Market in India.

Module-2

Module -3

Books Recommended:

(ECO B04) : Industrial Economics-II

Module-1


Module -2


Module -3


Books Recommended :


Dy. Registrar (Academic-I)
University of Rajasthan
Jaipur
9. Wildsmith. S: Managerial Theories of The firk

(ECO B05) : Mathematical Economics-II

Module -I


Module -2


Module -3


Note: Use of non-programmable calculator is permitted.

Books Recommended:


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Jaipur

(ECO B06) : Indian Financial System

Module -1


Module -2


Module -3


Markets for futures, option and other financial derivatives.

Books Recommended:

1. S.B. Gupta: Monetary Planning for India (latest Ed.).
3. L.M. Bhole : Impacts of Monetary Policy.

Dy. Registrar (Academic-I)
University of Rajasthan
Jaipur
9. RBI Report on trend and progress of Banking in India (latest Ed.)

(ECO B07) : Mathematical Statistics-II

Module-1
Limit Theorems: Weak law of large numbers, Central limit theorem (i.i.d. with finite variance case only) and De Moivere’s Laplace Theorem.

Module-2
Analysis of Variance: Analysis of Variance in One-way and Two-Way Classified Data.
Testing of Statistical Hypothesis and Tests of significance: Simple and Composite hypotheses, Null and Alternative Hypotheses, Critical Region and Power of Test, Kinds of Errors, Level of Significance and Probabilities of Type I and Type II Errors, Large Sample Test, Use of CLT for Testing Single Proportion and Difference of two proportions, Single Mean and difference of Two Means, Tests of Significance based of Chi-Square, t and F Distributions, Computing and Using P-Values for Significance, Non-parametric one sample Tests only.

Module-3
Estimation: Parameter Space, Sample Space, Finite Sample Properties of Estimators and Estimates- Unbiasedness, the Sampling Variance of Estimators and Efficiency, Asymptotic or Large Sample Properties of Estimators-Consistency, Asymptotic Normality and Central limit Theorem, General Approaches to Parameter Estimation-Method of Moments, Maximum Likelihood and Least Squares, Interval Estimation and Confidence Intervals-The nature of Interval Estimation, Confidence Intervals for the Parameters of Normal Distribution, Confidence Intervals for Difference of Mean and for Ratio of Variances.

Books Recommended:

Semester- 3

Compulsory Core Courses

Paper IX (ECO 301) - Public Economics - I

Module -1

Module -2

Module -3
Direct and Indirect taxes – Effects of Direct Tax on Production (viz. Labour Supply and Saving Rate) and Distribution, Effects of Indirect Tax on Production, Progressiveness of a Tax System and its Measurement, Shifting and Incidence of taxes under Monopoly and Perfect Competition.

Books recommended:

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**Paper X (ECO 302) – International Trade Theory**

**Module -1**

Standard Theory of Trade – Production Possibility Frontier, Community Indifference Curves, Offer Curves, Trade Indifference Curves, Terms of Trade and Gains form Trade.

**Module -2**


**Module -3**

Free Trade versus Protection, Instruments of Protection and their Effects, Tariffs (Partial and General Equilibrium), Quota, and other Non-Tariff Barriers.

**Books Recommended:**


**Paper XI (ECO 303) – Economics of Developments and Growth – I**

**Module -1**

Understanding Development: Dividing the World and levels of development (Development as an Evolving Concept i.e. Development, Growth and Change, Goulet’s Core Values of Development; Sen’s Conception of Development; Income/Output Based Measures and their
Inadequacies; PQLI and HDI as indicators of Development). Ingredients of Development – Land, Labour, Physical and Human Capital, Technological Change, Scale and Organization, Sustainable Development (conceptualization, concern, indicators and remedial measures), Concept, Measures and Problems of Growth, Poverty and inequalities in LDCs and their impact on Development.

Module -2
Theories of Economics Development: Agriculture – Industry Interface – Interdependence between Agriculture and Industry; Industrialization and Urbanization (The Models of Lewis Fei and Ranis and Todaro); The Balanced Growth Doctrine (Review of Rosenstein, Nurkse and Lewis); Strategy of Unbalanced (Hirschman’s version), and the Reconciliation of the two.

Module -3

Books Recommended:
2. Ray, Debraj; Development Economics, Seventh Impression, Oxford University Press, New Delhi.

Elective Core Courses

The candidate is required to select any three elective courses from the following:

(ECO C01) : Economics of Infrastructure – I

Module-1

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Jaipur
Module-2

Module-3

Books Recommended:
3. India Infrastructure Report 2015, OUP India Co. (Oxford)

(ECO C02) : ECONOMETRICS –I

Module -1

Module -2
Violation of Assumptions: Heteroscedasticity; Multicollinearity and Auto-correlation Speciation Problems. Regressions with Qualitative Independent Variables: Dummy Variable Technique; Regression with Binary Dependent Variables Logit, Probit and Tobit Models.

Module -3

Note: Use of non-programmable calculator is permitted,

Books Recommended:

Dy. Registrar (Academic-I)
University of Rajasthan
Jaipur

(ECO CO3) : Indian Economic Development and Policy – 1

Module -1

Module -2

Module -3

Books & References :
1. Dutt and Sundram: Indian Economy, S. Chand (Latest Ed) (Hindi and English).
5. Twelth Five Year Plan, Planning Commission.
6. Economic Survey (Latest), GOI.
7. Monthly Bulletins RBI.

Dy. Registrar (Academic-I)
University of Rajasthan
Jaipur
Module -1


Module -2


Module -3


Role of the Regional Blocks – EU, NAFTA, ASEAN, SAFTA etc. in the International Business, WTO and its impact on Different Sectors of the Indian Economy.

Books Recommended:

2. Daniel R. Kane Principles of International Finance, Croom Helm Ltd.
3. Harold James: International Monetary Cooperation since Bretton Wood, IMF.
4. Peter B. Kenen: (Ed.) Managing the World Economy: Fifty Years after Bretton Wood.
(ECO C05) : Health Economics-I

Module -1

Introduction to health economics: Concept; the four basic questions; relation between system structure and performance. Health and medical care: An economic perspective: Definition of health; Utility analysis; Medical care; production of good health; Efficiency in health sector and its elements; Pareto efficiency; Economic evaluation of efficiency; Cost and Benefit analysis: Cost identification analysis; Cost benefit analysis (Discounting, value of life, application of cost benefit analysis); Cost effectiveness and cost utility analysis; an application of cost-effectiveness analysis.

Module- 2

Health care systems and Institutions: Elements of health care system; role and financing methods of third party payers; risk management, reimbursement and consumer cost sharing; the production of medical services. Demand for medical care: Law of demand; relationship between health insurance and demand for medical care; Moral Hazard; elasticities. Medical care production and costs: Short run production function and cost theory of representative medical firm; Long run costs of production; Neo-classical cost theory.

Module- 3

Demand for Medical Insurance: The conventional theory of demand for private health insurance; Nyman’s access theory of demand for private health insurance; Traditional versus managed care insurance product. 
Structure, Conduct, performance and market analysis: Relevance of perfectly competitive market to medical care; Monopoly model of market behavior and performance; Monopolistic competition; Oligopoly; Measuring concentration and identifying market power.

Suggested Readings

4. Health economisc: 3rd Edition by Phelps
5. The economics of health and health care, 2nd edition by Folland, Goodman and Stono (FGS).
8. David Wonderling, Reinhold Gruen & Nick Black, 2005 Introduction to health economics, Chaprs 10-11,127-152

(ECO CO6) : Computer Applications in Economics

Module -1

Introduction to Computers: What is Computer and its applications? Data Representation: Introduction to Number System: Binary system, Octal number system, Hexadecimal number system, Decimal number system. Converting form one number to another number: converting to binary from octal, converting to octal from binary, converting to decimal from binary, octal, hexadecimal, converting to binary from hexadecimal, converting to hexadecimal from binary, Floating Point Arithmetic: Addition, Subtraction, Multiplication, Division of Floating point. MS Excel: Worksheet Overview, Entering information, Worksheet Creation, Opening and Saving, Workbook, Formatting numbers and texts, Protecting cells, Producing Charts and Printing Operations.

Module -2

Data Processing, Techniques and Algorithms: Concept of data, record and file, Types of data and data structures, data analysis: File handling and, appending and cascading, closing and attribute control: Data storage and retrieval: Data operations: Algorithms like sorting, merging, joining and bifurcation: Database concepts and operations on database: DBMS and RDBMS. Introduction to MS Excel and MS Access.

Module -3

Statistical Processing Techniques and Methods


Suggested Readings :
2. BPB Publishers: Complete Reference M.S. Office.

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Semester -4

Compulsory Core Courses

Paper XIII (ECO 401) – Public Economics – II

Module -1


Module -2


Module -3


Books Recommended :

4. John Callis and Phillip Jones, Public Finance and Public Choice, Oxford University Press,
8. Chelliah and Kelkar Committee Reports.

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Syllabus : M.A. Economics (Semester)

Paper XIV (ECO 402) – Trade Policy and International Monetary System

Module -1

Module -2
Economic Integration – Stages and Forms, Theory of Customs Union: Static and Dynamic Effects, Regional Trade Blocks – Bilateral and Multi – Lateral International Negotiations, Preferential Trade Areas (PTAs) and Free Trade Areas (FTAs) WTO issues and its impact on Trade, Rise and Fall of Bretton – Woods System and Present International Monetary System, IMP, World Bank Their Achievements and Failures.

Module -3

Books Recommended:

Paper XV (ECO 403) - Economics of Development and Growth – II

Module -1

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Module -2

Module -3

Books Recommended:

Elective Core Courses
The Candidate is required to select any three elective courses from the following:

(ECO D01) : Economics of Infrastructure – II

Module-1

Dy. Registrar (Academic-I)
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Module-2


Module-3


Books Recommended:
3. India Infrastructure Report 2015 , OUP India Co. (Oxford)

(ECO DO2) : Econometrics – II

Module -1

Simultaneous Equation Models: The Simultaneous Equation bias and Inconsistency of OLS estimators; The Identification Problem; Rules of Identification – order and rank conditions; Methods of estimating simultaneous equation system; Recursive methods and OLS; Indirect least squares (ILS); 2SLS, K Class estimators, 3SLS and ML Methods – application.

Module -2


Properties of AR, MA and ARMA Processes.

Cointegration and Error Correction Mechanism (ECM).
**Module -3**


**Note:** Use of non-programmable calculator is permitted.

**Books Recommended:**

1. J.Kmenta Elements of Econometrics, University of Michigan Press.

**ECO D03) : Indian Economic Development and Policy – II**

**Module -1**

Foreign Trade: Salient features, Trends, Composition, Direction and Organization, Trade Reforms, liberalization and Recent Changes in Trade Policy, MNCs and their Impact on Indian Economy, WTO – issues and its impact on Indian economy, India’s Balance of Payment Position in Recent Years.

**Module -2**


**Module -3**

New Economic policy – LPG and Second Phase of Economic Reforms, Infrastructure Development in India- Physical Infrastructure (Power, Transport, Communication and Irrigation) and Social Infrastructure (health and education). SEZs.

**Books and References :**

1. Arvind Panagaria: India-The Emerging Giant.
2. Rudra Dutt and Sundaram Indian Economy, S. Chand (Latest Ed.) (Hindi and English)
4. Laxmi Narayan Nathuramka: Bhartiya Arthashastra, College Book House (Latest Ed.)
6. Uma Kapila: Indian Economy.

(ECO D04) : Survey Methods

Module -1
Sample Methods: Principle of Sample Surveys, Stages of Survey, Practical Problems in Planning Execution and Analysis of Surveys, Random Number Tables and their Uses in Drawing Samples with Equal Probability (Simple Random Sampling) and Probability Proportional Size. Sampling and Non - Sampling errors. Critical Study of Sample Design Employed by NSSO and in Rural Credit Surveys.

Module 2

Module 3

Books Recommended :
1. M.N. Mutby, Sampling Methods,

(ECO D05) : Health Economics - II

Module -1
Health financing: Concept; National Health Accounting Sources and uses of funds Health Budgeting. Health Care Financing system, Sources of Health care spending. Three principles; Relationship of Health spending with health transition, demographic change and epidemiological transition; its indicators; Out of pocket and catastrophic health care expenditure. Health inequalities and its measurement; Determinants of Health.
Risk pooling: concept; ways to pool revenues; level of risk pooling; general revenue based systems; Social health insurance; community health insurance; Re-insurance; Private health insurance

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Module- 2

Resource allocation: Concept; Dimensions; Organization; Provider payment methods: Fees, Capitation, Salary; and, Salary plus bonus; Hospital payment method: Per admission; Diagnostic related grouping; Per-diem; Line-item Budget; Global budget; Contracting: Effect of payment systems on patients
Quality adjusted life years and Disability Adjusted life years: Concept, Computation, Limitation and problems, relationship between the two.

Module- 3

Instrumental activities of Daily Living and Activities of Daily Living: Concept and scale; Government, health and medical care: Economic reasons and type of government intervention; Market failure in health sector: Concept, Reason and role of Government; National rural health mission; National urban Health mission; Medical tourism in India; Performance of India and Rajasthan on Infant Mortality Rate, Under-five mortality rate, maternal mortality ratio, Life Expectancy.

Suggested Readings
4. Health economics: 3rd Edition by Phelps
5. The economics of health and health care, 2nd edition by Folland , Goodman and Stono (FGS)
7. Policy document of National Health Mission

(ECO D06) : History of Economic Thought

Module -1

Mercantilism Physiocrates, Quesnay’s table economic concept of surplus growth, theory of taxation and role of government.

Classical school Adam Smith the invisible hand doctrine wealth of nation laissez faire profits and wages modern revival of Adam Smith critiques of Adam Smith.

Malthus’s theory of population and theory of under competition Ricardo – Principal of political economy and taxation distribution theory – different roots differences with say on determination of value morden revival and interpretation (Sraffa).

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Module -2

Critics of the classical school – Sismondi socialist and the nationalist school position senior and the four postulates, J.S. Mill – four prepositions and capital demand and supply bifurcation wage fund.

Rehabilitation by coarseness stationery state version non – competing groups evaluation of socialist thought – utopian socialism saint – Simon own blane, Fourier proudhob scientific socialist.

Module -3

Karl - Marx efforts at scientific socialism organic composition of capital break down of capitalism, reserve army labour critiques of Marx revival Marx in economics.
The German Historical School and development of marginalize the neo classical school Marshall.

Twentieth century economic thought main features (Only the rise of key nesiaanism the rise of mathematical economics dynamics of econometrics) Critical evaluation of the development of economic thought Indian economic thought kautilya and Gandhi.

Books Recommended:

6. V. C. Sinha: आर्थिक विचारों का इतिहास