

# SYLLABUS

B.A. (Economics) Syllabus

Semester – III

## STATISTICS FOR ECONOMICS

(Discipline Specific Elective - Paper-III)

### Module – I : Introduction to Statistics

Meaning and Basic Concepts of Statistics – Population and Sample, Frequency Distribution, Cumulative Frequency – Graphic and Diagrammatic Representation of Data – Types of Data : Primary and Secondary Data – Methods of Collecting Data : Census and Sampling Methods (Random, Non-random Sampling Methods).

### Module – II : Measures of Central Tendency and Dispersion

Measures of Central Tendency – Mean, Median, Mode, Geometric Mean and Harmonic Mean – Properties of Good Average – Comparison of Different Averages – Measures of Dispersion – Absolute and Relative Measures of Dispersion : Range, Quartile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation and Variance.

### Module – III : Correlation and Regression

Correlation : Meaning and Types – Karl Pearson's Correlation Co-efficient – Spearman's Rank Correlation – Regression : Meaning and Uses of Regression.

### Module – IV : Index Numbers

Meaning and Uses – Aspects and Difficulties in the Construction of Index Numbers – Types of Index Numbers – Methods of Index Numbers – Laspayer, Paasche and Fisher.

### Module – V : Analysis of Time Series

Meaning and Uses – Components of Time Series Analysis : Secular, Seasonal, Cyclical and Irregular Variations – Methods of Measurement of Secular Trends : Graphic, Semi-Averages, Moving Averages.

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**B.A. ECONOMICS I Year**  
**SEMESTER – II**

**PAPER – II MACRO ECONOMICS**  
(Discipline Specific Course)

Theory: 5 Hours/Week; Credits: 5 Marks: 100 (Internal: 20; External: 80)

Module- I: Introduction

Macro Economics – Concept of Circular Flow of Incomes – National Income Analysis: Concepts and Components – Methods of Measurement – Difficulties and Limitations in the Estimation of National Income.

Module- II: Theories of Income and Employment

Classical Theory of Income and Employment - Keynesian Theory of Income and Employment- Effective Demand – Consumption Function- Average Propensity to Consume (APC) and Marginal Propensity to Consume (MPC) – Factors Determining Consumption Function – Savings Function- Average Propensity to Save and Marginal Propensity to Save – Concepts of Multiplier and Accelerator

Module- III: Investment & Theories of Interest Rate

Capital and Investment- Types of Investment- Determinants of Level of Investment – Marginal Efficiency of Capital and Marginal Efficiency of Investment- Neo-Classical and Keynesian Theories of Interest.

Module – IV: Supply of Money & Demand for Money

Functions and Classification of Money – Money Supply – Measures of Money Supply with reference to India: M1, M2, M3 and M4 – Classical Theories of Money: Fisher's and Cambridge Versions of Quantity Theory of Money – Keynes' Theory of Money and Prices.

Module- V: Inflation & Trade Cycles

Inflation: Concept, Types, Causes and Measurement – Effects of Inflation – Measures to Control Inflation – Concepts of Phillips Curve, Deflation and Stagflation – Trade Cycles: Concept, Causes and Phases of trade cycle.

**Reference Books:**

- Ackley, G (1976) : Macro Economics: Theory and Policy, Macmillan, New York  
Shapiro, E (1996) : Macro Economic Analysis, Galgotia Publications, New Delhi  
Hansen A H (1953): A Guide to Keynes, McGraw Hill, New York  
Keynes JM (1936) : The General Theory of Employment, Interest and Money,  
MC Vaish : Macro Economic Theory  
HL Ahuja : Macro Economic Theory & Policy  
Vanitha Agarwal : Macro Economic Theory & Policy, Pearson Education  
HL Ahuja : Macro Economic Analysis  
Gupta, SB : Monetary Economics: Institutions, Theory and Policy  
M.L. Seth : Macro Economics, Lakshmi Narain Agarwal, Agra, 2006

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**B.A. (ECONOMICS) SYLLABUS**  
**Semester - VI**  
**Discipline Specific Elective**

**Paper –VI ( B ) DEVELOPMENT ECONOMICS**

**Module- I: Economic Development and Growth:**

Concepts of Economic Growth and Development- Measurement of Economic Development: Per Capita Income, Basic Needs, Physical Quality of Life Index, Human Development Index and Gender Empowerment Measure. Role of State and Market in Economic Development

**Module- II: Factors in Economic Development:**

Factors effecting Economic Development-Characteristics of developing Countries- Population and Economic Development - Theories of Demographic Transition. Human Resource Development and Economic Development

**Module- III: Theories of Economic Development:**

Lewis, Rodan, Nurkse's Balanced Growth Strategy, Hirschman's Un-balanced Growth Strategy.

**Module- IV: Investment Criteria**

Choice of Techniques – Capital, labour and appropriate technology – Allocation of resources – Investment Criteria – Role of labour orientation methods in the development of third world countries – Role of capital formation in developing countries - Role of Technology in Economic Development.

**Module V :** Financing Economic Development External resources - FDI, Foreign aid vs. trade, technology inflow, MNC activity in developing countries; Borrowings - domestic and external; Burden of borrowing - IMF and World Bank.

**References:**

1. Mier, Gerald, M : Leading issues in Economic Development, OUP, Delhi
2. Todaro, Micheal P : Economic Development in the third world, Orient Longman, Hyderabad
3. Ghatak Subrata : Introduction to development economics
4. Sukumoy chakravathy : Development Planning- ndian Experience, OUP, Delhi
5. Misra &Puri : Economic Development and Planning, Theory and practice

**SYLLABUS**

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B.A. (Economics) Syllabus  
B.A. Economics  
Semester-V  
Discipline Specific Elective  
Paper - V(A)

**Agricultural Economics**

**Module - I**

Nature and Scope of Agricultural Economics - Factors affecting agricultural development, technological, institutional and general - Interdependence between agriculture and industry.

**Module - II**

Concept of production function; input and product relationship in farm production. Resource use and efficiency - Production function analyses in agriculture - Factor combination and resource substitution.

**Module - III**

Growth and productivity in Indian agriculture - Recent trends in agricultural growth in India Agrarian reforms and their role in economic development - Inter-state variations in growth of output and productivity, cropping pattern shifts - Supply of inputs - Pricing of inputs and role of subsidies.

**Module - IV**

Systems of farming - farm size and productivity relationship in Indian Agriculture - New agriculture strategy and Green revolution and its impact.

**Module - V**

Emerging trends in production - processing, marketing and exports; Policy controls and regulations relating to industrial sector with specific reference to agro-industries in agri-business enterprises.

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**PAPER - IV INDIAN ECONOMY**  
(Discipline Specific Course)

Theory: 5 Hours/Week: Credits: 5 Marks: 100 (Internal: 20; External: 80)

**Module I: Structure of the Indian economy:**

Indian Economy at the time of Independence - Changes in the Composition of National Income and Employment - Natural Resource base - Land, Water, Forest, Mineral and Metal Resources - Population: Size, Growth and Composition and their implications for Indian economy.

**Module II: Indian Agriculture:**

Importance of Agriculture - Trends in Agricultural Production and Productivity. Land Reforms - Green Revolution - Agricultural Finance - Agricultural Marketing - Agricultural Price Policy - Food Security in India.

**Module III: Indian Industry:**

Importance of Industrialization - Trends in Industrial Production - Industrial Policy Resolutions - 1948, 1956, 1991 - Role of Public and Private Sectors - Formal and Informal Sectors in Industry.

**Module IV: NIIT AAYOG:**

Evolution of Planning Commission - Failures and Demise of planning commission - Genesis of NITI Aayog: structure and composition of NIIT Aayog, Functions and objectives of NIIT Aayog, Differences between NIIT Aayog and planning commission - NIIT Aayog role in strategic planning and development.

**Module-V Service Sector and Economic Reforms:**

Concept, Components, Trends and Role of Service Sector - Infrastructural Development- Transport, Banking, Insurance, and Information Technology - Economic Reforms- Liberalization, Privatization, and Globalization- A critical evaluation.

**References:**

1. SK Misra and Puri : Indian Economy, Himalaya Publishing House
2. Ishwar C Dhigra : The Indian Economy: Environment and Policy, SC Chand & Sons, New Delhi
3. KPM Sundaram : Indian Economy
4. PK Dhar : Growing Dimensions of Indian Economy, Kalayani Publisher.

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**SEMESTER – I**

**PAPER – I MICRO ECONOMICS**  
(Discipline Specific Course)

Theory: 5 Hours/Week; Credits: 5 Marks: 100 (Internal: 20; External: 80)

**Module-I: Consumer Behaviour:**

Cardinal Approach to Utility Analysis • Ordinal utility Analysis • Properties of Indifference curves • concept of budget line • equilibrium of consumer • price consumption curve • income consumption curve • derivation of demand curve with the help of Indifference Curves' Analysis • Concepts of price • income and substitution effects.

**Module-II Production Analysis**

Concept of Production Function • Linear and homogeneous production function • Short run and long run production function – Law of Variable Proportions • Laws of Returns to Scale • Properties of iso-product curves • concept of factor price line • analysis of least cost input combination • concepts of expansion path and economic region of production • Properties of Cobb-Douglas Production Function.

**Module-III: Cost and Revenue Analysis**

Cost concepts: Accounting, real, opportunity, explicit costs • Total cost• total fixed cost • total variable cost • average cost • average fixed cost • average variable cost • marginal cost and the relationship between average and marginal cost • derivation of long run average cost curve • Economies of scale: internal and external • Revenue concepts: total • average and marginal • Relationship between Average revenue & marginal revenue and price elasticity of demand.

**Module-IV: Analysis of Market Structure:**

Concepts & Classification of Markets –Basic Features of Perfect Competition • Monopoly-Equilibrium of a monopolist – Concept of Price discrimination & degrees of price discrimination-Monopolistic competition – characteristics • concepts of product differentiation and selling cost • Equilibrium under Monopolistic competition – Oligopoly- characteristics of oligopoly – Price and output determination – Analysis of Kinked Demand Curve – Concept of Duopoly • Cournot's version of duopoly.

**Module-V: Analysis of Business Firm and Profit**

Characteristics of a business firm, objectives of business firm: profit maximization, sales revenue maximization, market share maximization, growth maximization. Profit concepts: Accounting and economic; break-even point and profit –volume analysis

**References:**

1. M L Seth : Micro Economics
2. M L Jhingoran : Micro Economics
3. H L Ahuja : Modern Micro Economics
4. Koutsainies; : Modern Micro Economics
5. Stonier and Hague : Micro Economics
6. Salvatore : Micro economics
7. Schaum Series : Micro economics
8. Pyndick : Micro economics
9. Gregory Mankiw : Principles of Micro Economics

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