BACHELOR OF SCIENCE (B.Sc.)

(THREE YEAR DEGREE COURSE)

SUBJECT

ECONOMICS
B.Sc. (ECONOMICS)

COURSE STRUCTURE

FIRST YEAR

PAPER – 101: Principles of Economic Analysis 100 MARKS

PAPER – 102: Indian Economic Problems 100 MARKS

SECOND YEAR

PAPER – 201: National Income Analysis, Money and Banking 100 MARKS

PAPER – 202: Public Finance and International Trade 100 MARKS

THIRD YEAR

PAPER – 301: Economics of the Developing Countries 66 MARKS

PAPER – 302: Economics Policies of India 66 MARKS

OPTIONAL PAPER – 303 :

PAPER 303 (A): Quantitative Methods

PAPER 303 (B): History of Economic Thought
B.Sc. (ECONOMICS)
FIRST YEAR DETAILED SYALLBUS
PAPER – 101
Principles of Economic Analysis

Unit – I

Scope and Method: Nature of Economic Laws, Basic equilibrium, utility, elasticity, competition.

Mathematical Concepts: Variables, functions, equations and identities, slope, concave and second order optimum conditions.


Demand Analysis: Demand function and law of demand, price, cross and income elasticity of demand.

Unit – II

Production: Production function, combination of factors, laws of production: returns to scales, Law of variable proportions.

Nature of Costs: Short-run and long-run cost curves, Optimum and representative firms.

Unit – III

Unit – IV

**Economic System:** Capitalism, socialism and mixed economy. Problem of resource allocation.

**Theory of Distribution and Factor Pricing:** Concept and measurement, Net economic welfare, distribution of national income, marginal productivity theory of distribution, theories of rent, wages, interest and profit.

**Books Recommended:**

2. R. G. Lipsey; An Introduction to Positive Economics
3. Samuelson, Paul A: Economics
B.Sc. (ECONOMICS)
FIRST YEAR DETAILED SYALLBUS

PAPER – 102

Indian Economic Problems

Unit – I

Unit – II

Change in Agriculture strategy: Agricultural production strategy. Price policy in agriculture.
Unit – III

Industry and Service Sector: Growth and Structure of industry. Industrial and licensing policies of major industries, large, small and cottage industries. Industrial finance, foreign capital and multinationals. Industrial labour – wages and wage regulation, social security, housing, industrial peace, Trade Union movement.


Unit – IV


Books Recommended:

1. Alak Ghosh – Indian Economy
2. Rudra Dutt & Sundaram – Indian Economy
4. Five Year Plans, Govt. of U. P.
B.Sc. (ECONOMICS)
SECOND YEAR DETAILED SYLLABUS

PAPER – 201

National Income Analysis, Money and Banking

Unit – I


Unit – II


Unit – III


Central Banking: Instrument of monetary control and other functions of Central Banks.

Indian Monetary Market: Structure, concept and sources of change in money supply, Reserve Bank of India, regulatory and promotional functions.
Unit – IV

Foreign Exchange: Concept, demand and supply of foreign exchange; external value of money-gold standard, exchange rate determination, purchasing power parity, theory, International monetary institution-IMF and IBRD. Exchange Control, Objectives and Methods.

Books Recommended:

1. Manihara, K. K. – Monetary Theory
2. Crowther, G. – An Outline of Money
3. Halm, G. N. – Monetary Theory / Mudra Siddhant (in Hindi)
4. Makinen, Gale – Money: The Price Level and Interest Rate
5. Dilard, D. – Keynes Ka Arthashastra
6. Ghosh, Alak – Indian Economy
7. Rudra Dutt & Sudaram - Indian Economy
8. Samuelson, P. A. – Economics
B.Sc. (ECONOMICS)
SECOND YEAR DETAILED SYLLABUS
PAPER – 202
Public Finance and International Trade

Unit – I
Private and Public Goods, Principle of maximum social advantage

Government Budget: Preparation and classification, Sources of Public Revenue, Taxation. Satisfaction of Public wants, the benefit approach, the ability to pay approach; incidence and effects of taxation.

Unit – II
Public Expenditure: Wagner’s law, Wiseman-Peacock hypothesis, the critical limit hypothesis.

Classification of Public Expenditure: Effects of public expenditure on production and distribution.

Public Debt: Classification, effects, burden, repayment and management.

Unit – III

Indian Public Finance: Sources of income – Central, State, Indian Tax System. Public expenditure in India. Indian Federal Finance.
Unit – IV


**Terms of Trade:** Concepts and measurement. Free trade and production. Tariff and non-tariff methods.

**The balance of payments:** Equilibrium and disequilibrium. Foreign trade of India and trade policy.

**Books Recommended:**

1. H. Dalton – Public Finance
2. H. L. Bhatia - Public Finance
3. Alen and Brownley - Public Finance
B.Sc. (ECONOMICS)
THIRD YEAR DETAILED SYLLABUS

PAPER – 301

Economics of the Developing Countries

Unit – I

Economic growth and economic development: Meaning measurement and distinction; Diverse structure and common characteristics of developing nations; obstacles to development, Economic and non-economic factors in economic development, Patterns of resource endowments agricultural, Mineral energy.

Unit – II


Unit – III

Towards an equitable world economy: Trade and Economic development; Terms of trade, concepts, measurement, movements and prospects, international finance and financial restructuring, W.T.O. and developing countries.

Unit – IV

Development and planning: need, concept, types, planning and the market, Formulation of plans. Objectives, strategy, Plan models, Financing and achievements of Indian Five Year Plans.
Books Recommended:

1. Todaro, M. P. – Economic Development in the Third World
2. Thirlwal, A. P. – Growth and Development
4. Meier, G. M. (Eds.) – Leading Issues in Economic Development
5. Salvatore, D and E. Dowling - Development Economics, Schaum, Outline series in Economics
6. Agarwala, A. N. and S. P. Singh (Eds.) – Economics of Under-development
B.Sc. (ECONOMICS)
THIRD YEAR DETAILED SYALLBUS

PAPER – 302
Economics Policies of India

Unit-I

Unit-II
Industrial Policy in India. Role and Objectives of Industrial Policy Private and Public Sector, MRTP and concentration of Economic Power. Foreign Investment in Indian Industries and its Regulation; Multinational corporations and Industrial Growth; Policy for Small-Scale Industries; India’s Industrial Policy and Regional Development

Unit-III

**Unit-IV**

**Trade Policy** : Exchange Rate policy and Devaluation. General Overview of Policies For Foreign Capital Inflow and Multi-lateral Assistance.
B.Sc. (ECONOMICS)
THIRD YEAR DETAILED SYLLabus

OPTIONAL PAPER – 303 (A)

Quantitative Methods

Unit – I


Co-ordinate geometry: Co-ordinates, plotting of graphs, Equations of straight line and parabola.

Calculus: Limits and functions, Derivations of functions of one and two variables, Maxima and minima, Convexity and concavity and homogeneous functions.

Unit – II

Nature, Scope and importance of statistics for economists, Relation of statistics with other sciences; Planning a statistical Investigation; Methods of data collection, Classification, Tabulation, Graphic and diagrammatic representation; its importance, utility and advantages.

Unit – II

Measures of central tendency, Arithmetic mean, Median, Mode, Geometric and harmonic mean, Measures of dispersion, Range, Mean and Slandered Deviation and Coefficient of variation.
Unit – IV

Relationship between two variables and correlation coefficient. Pearson’s, Spearson’s and concurrent deviation methods. Definition index numbers and computation of simple indices. Fisher’s Ideal index number, Measurement of secular trends free hand curve, semi averages, money averages and least square methods.

Books Recommended:

2. Mehta & Madnani - Mathematics for Economics
3. Taro Yamaney - Mathematics for Economics
5. D. N. Elhance – Fundamentals of Statistics
B.Sc. (ECONOMICS)  
THIRD YEAR DETAILED SYLLABUS

OPTIONAL PAPER – 303 (B)

History of Economic Thought

Unit – I
Pre-classical Economic and Indian Economic Thought: Mercantilism, Physiocracy. Their views on economic development
Kautilya, Naoroji, Ranade, R.C. Dutt, Gandhian Economic Thought, and J. K. Mehta.

Unit – II

Unit – III
Unit – IV


Books Recommended:

1. Suhunpeter, J. A. – History of Economic Analysis
3. Dobb, Maurice – Theories of Value and Distribution since Adam Smith
4. Obrien – Classical Theory of Value and Distribution
5. Gide and Rist – History of Economic Doctrines
6. Meek, R. L. – Physiocracy
7. Meek, R. L. – The Labour Theory of Value
8. Clair, St. Oswald – A Key to Recardo