# FACULTY OF ECONOMICS & BUSINESS

SYLLABUS FOR THE

# SUBJECT: ECONOMICS

for the award of the Degree in

**BACHELOR OF ARTS/ BACHELOR OF SCIENCE/HONOURS**

(Offered under 4-year UG Degree Programme)

(Credit Based Grading System)
under NEP 2020

**Batch: 2025–29**

## GURU NANAK DEV UNIVERSITY AMRITSAR

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Bachelor of Arts /Bachelor of Science/Honours (Economics) (CBGS)
(under NEP 2020) (Batch 2025-29) (Semester System)
(Faculty of Economics & Business)

**SCHEME**

# DISCIPLINE SPECIFIC COURSE (DSC)- ECONOMICS

## SEMESTER-I

| Sr. No. | Course Code | Course Title | Credits L-T-P | Marks |
|---|---|---|---|---|
| 1. | | MICROECONOMICS (THEORY) | 4-0-0 | 100 |

## SEMESTER-II

| Sr. No. | Course Code | Course Title | Credits L-T-P | Marks |
|---|---|---|---|---|
| 1. | | MACROECONOMICS (THEORY) | 4-0-0 | 100 |

## SEMESTER-III

| Sr. No. | Course Code | Course Title | Credits L-T-P | Marks |
|---|---|---|---|---|
| 1. | | INDIAN ECONOMY (THEORY) | 4-0-0 | 100 |

## SEMESTER-IV

| Sr. No. | Course Code | Course Title | Credits L-T-P | Marks |
|---|---|---|---|---|
| 1. | | INTERNATIONAL ECONOMICS (THEORY) | 4-0-0 | 100 |

## SEMESTER-V

| Sr. No. | Course Code | Course Title | Credits L-T-P | Marks |
|---|---|---|---|---|
| 1. | | ECONOMICS OF DEVELOPMENT (THEORY) | 4-0-0 | 100 |
| **INTERNSHIP** | | | | |
| 2. | | INTERNSHIP | 0-0-2 | 50 |

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## SEMESTER-VI

| Sr. No. | Course Code | Course Title | Credits L-T-P | Marks |
|---|---|---|---|---|
| 1. | | QUANTITATIVE METHODS FOR ECONOMISTS (THEORY) | 4-0-0 | 100 |

## SEMESTER-VII

| Sr. No. | Course Code | Course Title | Credits L-T-P | Marks |
|---|---|---|---|---|
| 1. | | PUBLIC FINANCE (THEORY) | 4-0-0 | 100 |
| 2. | | AGRICULTURE ECONOMICS (THEORY) | 4-0-0 | 100 |
| 3. | | MONEY AND BANKING (THEORY) | 4-0-0 | 100 |
| 4. | | DEMOGRAPHY (THEORY) | 4-0-0 | 100 |
| **MINOR** | | | | |
| 5. | | ENTREPRENEURIAL DEVELOPMENT (THEORY) | 4-0-0 | 100 |
| **SEMINAR/INTERNSHIP/COMMUNITY** | | | | |
| 6. | | TERM PAPER BASED ON FIELD SURVEY | 0-0-2 | 50 |

## SEMESTER-VIII

| Sr. No. | Course Code | Course Title | Credits L-T-P | Marks |
|---|---|---|---|---|
| 1. | | INDUSTRIAL ECONOMICS (THEORY) | 4-0-0 | 100 |
| 2. | | LABOUR ECONOMICS (THEORY) | 4-0-0 | 100 |
| 3. | | ENVIRONMENTAL ECONOMICS (THEORY) | 4-0-0 | 100 |
| 4. | | ECONOMETRICS (THEORY) | 4-0-0 | 100 |
| **MINOR** | | | | |
| 5. | | RESEARCH METHODOLOGY (THEORY) | 4-0-0 | 100 |

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**SEMESTER–I**

**ECONOMICS**

**MICROECONOMICS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION–A**

**Introductory:** Definition of Economics, Nature and Scope of Microeconomics. Basic Economic Problems.
Demand Function; Supply Function, Price Determination, Slope and Elasticity (Concepts), Elasticity of Demand – Price, Income and Cross. Measurement of price elasticity of demand. Utility Analysis, Indifference Curve Analysis

**SECTION–B**

**Theory of Production and Costs :** Concept of Production Function. Laws of Returns to Scale and Law of Variable Proportions.
**Cost :** Traditional Theory, Concepts and Costs curves in the short and in the long run.

**SECTION–C**

**Market forms:** Perfect Competition; Assumptions, Price and output determination of firm and Industry in Short run and Long run; Monopoly: Assumptions, Equilibrium. Monopolistic Competition: Assumptions.

**SECTION–D**

**Rent :** Concept; Ricardian Theory and Modern Theory of Rent.
**Interest:** Concept of interest; classical theory, loan able funds theory.
**Profit :** Concept of profit; Risk and uncertainity theories.

**Recommended Texts:**

1. R.G. Lipsey: Introduction to positive economics, EL BS, London, 1969.
2. Stonier & Hague: A Text book of Economics Theory, 9th ed., ELBS, London, 1973.
3. Paul Samuel son: Economics, Mcgraw Hill, Kogakushad, Tokyo, 1973.
4. N.C. Ray: Micro economic Theory, Macmillan, Delhi, 1975.
5. D. Salvatore: Microeconomics.
6. Kout soyiannis : Modern microeconomics.

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**SEMESTER–II**

**ECONOMICS**

**MACROECONOMICS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**
**Credits: 4 - 0 - 0**
**Marks: 100**
**60 Hrs.**

**Instructions for the Paper Setters:-**
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

Distinction between Micro and Macro Economics; Determination of Income and Employment : Classical and Keynesian models; Say's Law of Market and aggregate demand and aggregate supply.
Consumption functions; average (short-run and long run) and marginal propensity to consume; static and dynamic multipliers.

**SECTION-B**

**Investment:** Meaning, Demand schedules and factors affecting investment decision. Marginal Efficiency of Capital. Accelerator, multiplier-accelerator interaction.
Tradecycles-meaning, characteristics and phases.

**SECTION-C**

**Money :** Its functions and role. Money and Capital Markets (Introductory). Quantity Theory of Money. Fisher's and Cambridge's equations. Liquidity preference theory.

**SECTION-D**

**Inflation:** Concept, Causes and cures. Inflation-unemployment Trade-off (only Phillips' contribution).
**Macroeconomic Policies:** Introductory Fiscal and Monetary Policy

**Recommended Texts:**

1. Shapiro, E.Macroeconomic Analysis, Harcourt, Brachand World, New York, 1978.
2. Dernaburg, T.F. and MC Dougall D.M., Macroeconomics : the Measurement, Analysis and Control of Aggregate Economic Activity, McGraw-Hill, Kogakusha, Tokyo, 1972.
3. Gupta, S.B.Monetary Economics: Institutions, Theory and Policy, S. Chand, New Delhi, 2000.

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**SEMESTER–III**

**ECONOMICS**

**INDIAN ECONOMY**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

## SECTION–A

Nature of Indian Economy, Agriculture in India: Nature and Importance of Agriculture, Causes of Decline in Productivity, Sustainable Agricultural Growth. Green Revolution and New Agricultural Strategy.

## SECTION–B

Industry: Performance and Problems of Industrial Development, Public Sector versus Private Sector, Role of Privatization, Role of Small and Cottage Industries. Latest Industrial Policy.

## SECTION–C

Foreign Trade: Direction and Composition of Exports and Imports Since 1991, Recent Foreign Trade Policy, Balance of Payment Problem. Foreign Capital and Multinational Corporations in India.

## SECTION–D

Features of Population Growth in India, Major Problems of the Economy – Inflation, Unemployment, Poverty and Inequality, Current Indian Tax Structure. Role and Functions of Niti Ayog.

**Recommended Texts:**

1. Mishra and Puri : Indian Economy, Himalaya Publication House, Mumbai, (Latest Edition).
2. Rudder Dutt and : Indian Economy (Latest), S. Sundharam Chand & Co. Ltd., New Delhi, (Latest Edition).
3. A.N. Aggarwal : Indian Economy, Vikas Publications, Delhi, (Latest Edition).
4. C.D. Wadhwa : Indian Economic Policy (1980), Tata McGraw Hill, Bombay, 1973.
5. GOI: Economic Survey (Latest Edition).

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**SEMESTER-IV**

**ECONOMICS**

**INTERNATIONAL ECONOMICS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

**Theories of International Trade:** Theories of absolute advantage, comparative advantage and Heckscher-Ohlin theory of trade: assumptions and main features, Terms of trade and offer curve.

**SECTION-B**

**Commercial Policy:** Tariff barriers; Definition and its types and non-tariff barriers to trade (quota, voluntary export restraints, export subsidies, dumping and international cartel); Tariff and quota (partial equilibrium analysis).

**SECTION-C**

**Balance of Trade and Balance of Payments :** Meaning, Concepts and components of balance of payments; causes and various measures to correct deficit in the balance of payment (Devaluation, Absorption and Monetary approaches)

**SECTION-D**

**Rate of Exchange:** Meaning, concept of equilibrium exchange rate and determination; Fixed versus flexible exchange rates.

**International Monetary System and International Institutions:** World Bank and IMF; Objectives and functions

**Recommended Readings:**

1. Green Away, D.(1983) : International Trade Policy, Macmillan Publishers Ltd., London.
2. Heller, Robert (1977) : International Trade Theory and Empirical Evidence, Prentice Hall, New Delhi.
3. Ingo Walter (1975) : International Economics, Ronald Press, New York, 1975.
4. Soderston, B. (1991) : International Economics, McMillan, New York.
5. Salvatore, D.L. (1991) : International Economics, Prentice Hall, Upper Saddle River, New Delhi.
6. Todaro, Michael (1991) : Economic Development, Longman, New York. 1994.
7. Yeagre (1976) : International Monetary Relations, Theory, History and Policy, Harper and Row, New York, 1976.
8. International Economics, Vikas Publishing House Pvt. 8. ML Bhatia HL (2010) : Ltd.
9. Thompson Henry (2010) : International Economics, Global Markets and Competition, World Scientific Publishers and Cambrid

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**SEMESTER–V**

**ECONOMICS**

**ECONOMICS OF DEVELOPMENT**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION–A**

**Economic Development:** Meaning and Measurement, Economic and Non-Economic Factors, Nature of Under development, Characteristics of Undeveloped Countries. Human Development Index, Concept of Sustainable Development.

**SECTION–B**

**Models of Growth:** Classical, Marxian, Schumpeter's, Harrod-Domar and Solow's Growth Models.

**SECTION–C**

Rostow's Stage Theory, Strategies of Economic Development-Balanced vs. Unbalanced Growth; Theory of Big Push; Libenstrein's Critical Minimum Efforts Thesis, Export Promotion and Import Substitution.

**SECTION–D**

Capital Formation–Meaning and Sources. Choice of Technique, Role of Planning in Under Developed Countries, Need, Objective, Strategy.

**Suggested Readings:**

1. Rostow W.W.: Stages of Growth
2. G.M. Meier: Leading Issues in Economic Development.
3. Micheal Todaro : Economic Development in the Third World.
4. Higgins: Economic Development: Theory and Politics.
5. Meier, G.M.: Leading Issues in Economic Development, Oxford University Press, New Delhi, 1995.
6. Thirlwall, A.P.: Growth and Development, Macmillan, London, 1999.
7. Todaro, M.P.: Economic Development in Third World, Oxford University, London.
8. Yotopoulous, P.A. and Nugent, J.: Economics of Development, Harper and Row, New York.

**SEMESTER–V**

**ECONOMICS**

**INTERNSHIP**

**L- T- P**

**Credits: 0 - 0 - 2**

**Marks : 50**

# INTERNSHIP

Bachelor of Arts /Bachelor of Science/Honours (Economics) (CBGS)
(under NEP 2020) (Batch 2025-29) (Semester-VI)
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**SEMESTER–VI**

**ECONOMICS**

**QUANTITATIVE METHODS FOR ECONOMISTS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION–A**

Sets, Relations and functions, Limits and continuity (Basic concepts), Derivative of simple functions only (excluding log & exponential functions). Maxima/Minima for single variable functions.

**SECTION–B**

Measures of central tendency — Mean, Mode, Median and Geometric Mean; Measures of dispersion.

**SECTION–C**

Concepts and Measure of skewness and kurtosis: Boyle's & Karl Pearson's measures. Simple Correlation & regression (ungrouped & grouped data).

**SECTION–D**

**Interpolation:** Concepts and Methods — Binomial expansion, Newton and Lagrange's Method (with emphasis on missing values only). Price Index Numbers–Weighted and Unweighted Index Numbers, various formulae and consistency tests.

**Suggested Readings:**


1. Archibald, G. & R.G. Lipsey (1973); Introduction to a Mathematical Treatment of Economics, 2nd Ed. Weisden feld and Nicholson, London.
2. Yamane, Taro (1968); Mathematics for Economists, 2nd ed. Prentice Hall, Englewood Cliffs, New Jersey.
3. Croxton, F.E. Cowden D.J. and Klein, S.(1973); Applied General Statistics, 3rd. Ed., Prentice Hall of India, New Delhi.
4. Fox, I.A. (1972); Intermediate Economic Statistics, Wiley Eastern Pvt. Ltd., New Delhi.
5. Nagar, A.L. and Das, R.K. (1976); Basic Statistics, Oxford University Press, Bombay.
6. Baumol (1973); Economic Theory and Operations Analysis, Prentice Hall of India Pvt. Ltd., New Delhi.

**SEMESTER-VII**

**ECONOMICS**

**PUBLIC FINANCE**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

Public Finance: Nature, scope and importance; Equity in taxation: Horizontal equity and Vertical equity; Principles of taxation: benefits received principle and ability to pay principle, Taxable capacity, Tax effort.

**SECTION- B**

Impact and incidence of taxation: Meaning, theories of tax incidence (concentration theory, diffusion theory and modern theory); Effects of taxation on production and distribution; Latest Tax Reforms in India.

**SECTION-C**

Public Expenditure: Meaning, classification and growth of public expenditure, Wagner's Law of increasing state activities, Peacock-Wiseman hypothesis of public expenditure; Effects of public expenditure on production and distribution.

**SECTION-D**

Public Debt: Forms, sources, effects and its management. Public Budget: Concept and types; zero base budgeting. Problems and principles of federal finance. Fiscal reforms in India

**Suggested Readings:**

1. Bhargava, R.N.: Theory and working of Union Finance in India, George Allen and Unwin, London, UK.
2. Bird, Richard, M. and Old man : Reading son Taxation in Developing Countries, Johns Hopkins University Press.
3. Cedric Sandford: Economics of Pubic Finance. (Chapter 2) Pergamon Press.
4. Dalton, Hugh: Principles of Public Finance, Allied Publishers Pvt Ltd.
5. Musgrave, R.A.: Theory of Public Finance, Mc Graw Hill, New York.
6. Om Prakash: Economics of Public Finance, Vishal Publishing Co.

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**SEMESTER-VII**

**ECONOMICS**

**AGRICULTURE ECONOMICS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

**Agricultural Economics**: Meaning, scope and nature of Agricultural Economics. Interdependence of agriculture and industry. Role of agriculture in economic development. Causes of slow growth of Indian agriculture.

**SECTION-B**

**Issues concerning agricultural development**: The Schultzian Thesis, Mellor's theory of agricultural development.

**Institutional changes and agricultural development**: Land Reforms and their evaluation, Green Revolution.

**SECTION-C**

**Agricultural Credit:** Cooperative banks, Regional Rural banks

**Agricultural Marketing**: Need for an efficient system of agricultural marketing, types of agricultural markets, efficiency of agricultural marketing system in India, measures to improve efficiency of agricultural marketing.

**SECTION-D**

**Agricultural Price Policy:** need and objectives.

Diversification of Indian agriculture and WTO and Indian agriculture.

**Suggested Readings:**


1. Mellor, J.W. (1968) The Economics of Agricultural Development, Cornell University Press, New York.
2. Schultz, T.W.(1964 Transforming Traditional Agriculture, Lyall Book Depot, 1970.
3. Soni, R.N.(2003 Leading Issues in Agricultural Economics, Shoban Lal Nagin Chand & Co., Jalandhar.
4. Sadhu, A.N. and Amarjit Singh (1997) Fundamentals of Agricultural Economics, Himalaya Publishing House.
5. Dorner Peter (1972) Land Reforms and Agricultural Development, Penguin Books.
6. Kahlon, A.S.(1982) Agricultural Price Policy in India, Allied Publishers, New Delhi
7. Mamoria, C.B. (1985) Agricultural Problems in India, Allahabad, Kitab Mahal.
8. Acharya, S.S. & M.L. Aggarwal (2002) Marketing of Farm Products in India, Oxford, IBH Publications.

**SEMESTER-VII**

**ECONOMICS**

**MONEY AND BANKING**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

Money: Meaning and functions, Classification of Money, Money and Near Money, Qualities of Good money material, Role of money in developing economy.
Money and Capital markets; Role, Constituents and Functions

**SECTION-B**

Demand for Money; Fisher, Cambridge and Keynesian theories
Supply of Money; Components and determinants, Money Multiplier
Rate of Interest; Determination, Factors affecting the level and structure of Interest rates.

**SECTION-C**

Banking; Commercial Banks, their functions and importance, Credit Creation.
Nationalization of Banks; Objectives, Performance and Evaluations.
Central Banking; Meaning and functions, Techniques of Credit Control with special reference to India, Recent Monetary and credit policies in India

**SECTION-D**

Monetary Policy; Targets and Indicators, Macro economic objectives, Monetary policy in less developed countries.
Fiscal Policy; Meaning, Features and role in developing countries.

**Suggested Readings:**

1. Misra, S. Puri. Indian Economy, Himalaya Publishing House, New Delhi.
2. Luckett, D.G. Money & Banking, McGraw Hill, New York, 1976
3. Gupta, S.B. Monetary Planning For India, University Press, New Delhi
4. Cargill, T. F. Money ; The financial System and Monetary Policy, Englio Wood cliffs, Prentice Hall
5. Reserve Bank of India Report on currency and Finance Paul, R.R Money Banking and International Trade, Kalyani Publish.

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**SEMESTER–VII**

**ECONOMICS**

**DEMOGRAPHY**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

Definition, scope, and significance of demography. Relationship with other sciences, Dynamics of population, economic development and environment.

**SECTION-B**

Theories of Population: Pre-Malthusian and Post-Malthusian theories of population; Optimum theory of population, Demographic transition theory of population.

**SECTION-C**

Social structure of demography and components of population change: Migration and mortality and fertility; meaning, types, factors, causes and consequences.

**SECTION-D**

Population scenario of India: Population growth, size and occupational structure, life expectancy, sex ratio, literacy, density of population, Population policy of India, Methods of population projection.

**SUGGESTED READINGS**

1. Bogue, Donald, Principles of Demography – New York: John Wiley and Sons, 1969.
2. Shrivastava O S. A textbook of Demography with economics of manpower supply and manpower demand – New Delhi: Vikas, 1983.
3. Bhende, Asha and Tara Kanitkar, Principles of Population Studies – 5th Nov. ed. New Delhi, Himalaya, 1992.
4. Ghosh B N Population Theories and Demographic Analysis – New Delhi: Meenakshi
5. MISRA B D. An Introduction to the Study of Population, Madras, Publishing.

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**SEMESTER-VII**

**ECONOMICS**

**(MINOR)**

**ENTREPRENEURIAL DEVELOPMENT**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

Entrepreneurship: Meaning, Types and Traits of Entrepreneurship; Factors promoting entrepreneurship, Barriers to entrepreneurship, Stages in entrepreneurial process.

**SECTION-B**

Entrepreneurial motivation: Maslow's theory, Herjburg's theory, McGragor's theory. Creativity and entrepreneurship, steps in creativity, skills of an entrepreneur.

**SECTION-C**

Market Survey Techniques: Relevance and evaluation. Need, scope and approaches for project formulation and techniques of project evaluation.

**SECTION-D**

Sources of finance: Venture capital, venture capital process, government grants and schemes. Women entrepreneurship and economic development – role of SHGs.

**Suggested Readings:**

1. Mathew, J. M., Entrepreneurship Theory at Cross Roads: Paradigms and Praxis, Second Edition, Dream Tech Press, 2006.
2. Meredith G.G. Nelson Practice of Entrepreneurship ILO, Geneva, 1982.
3. Welsh, J.A. & Jerry, Entrepreneurs Master Planning Guide How To Launch a successful Business, Prentice Hall Englewood Cliffs, 1983.
4. Roy R., Entrepreneurship, Second Edition, Oxford University Press, 2011.

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**SEMESTER–VII**

**ECONOMICS**

**SEMINAR/INTERNSHIP/COMMUNITY**

**L-T- P**

**Credits: 0 - 0 - 2**

**Marks : 50**

# TERM PAPER BASED ON FIELD SURVEY

Bachelor of Arts /Bachelor of Science/Honours (Economics) (CBGS)
(under NEP 2020) (Batch 2025-29) (Semester-VIII)
(Faculty of Economics & Business)

**SEMESTER-VIII**

**ECONOMICS**

**INDUSTRIAL ECONOMICS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

Industrial Economics: Nature and scope of Industrial Economics. History of Industrial Economics. Meaning of Firm and Industry. Difference between passive and active behaviour of the firm, Conceptual framework for the study of Industrial Economics.

**SECTION-B**

Organizational form and Alternative Motives of the Firm. Forms of the Market: Perfect Competition, Imperfect Competition and Monopoly. Monopoly Power.
Measurement of Seller concentration, Barriers to entry.

**SECTION-C**

Diversification, Merger and Firm Location: Meaning and Reasons of diversification, Merger: Reasons and Effects;
Factors affecting location; Weber and Sargent Florence theories of Firm Location.

**SECTION-D**

Industrial Policy in India: Need and importance of Industrial Policy.
Growth and performance of Industrial Sector in India since Independence.
Location policy in India since Independence. Industrial concentration and dispersal in India. Industrial Policies in India. National Manufacturing Policy, 2011: Objectives and Significance.

**Suggested Readings:**

1. Barthwal, B.R.: Industrial Economics, New Age International Publisher, New Delhi, 2010.
2. Devine, P.J., Lee N, Jones R.M., W.J. Tyson: An introduction to Industrial Economics, George Allen and Unwin, London, 1979.
3. Hay, D and D.J. Morris: Industrial Economics Theory and Evidence, Oxford University Press, 1979.
4. Dutt and Sundhram (latest issue) Indian Economy.
5. Website of Ministry of Commerce and Industry, Govt. of India.

Bachelor of Arts /Bachelor of Science/Honours (Economics) (CBGS)
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(Faculty of Economics & Business)

**SEMESTER-VIII**

**ECONOMICS**

**LABOUR ECONOMICS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

**Concept of Labour and Labour Markets:** Nature and Scope and Characteristics of Labour Markets, growth of labour markets in India, Classical, neo– classical and dualistic theories of labour markets; Analysis of demand and supply of labour

**SECTION-B**

Wage Determination; Classical, neo–classical and bargaining theories; Concepts of minimum, living and fair wages. Minimum wages Act 1947; Implementation Challenges.
Wage-Inflation relationship using Phillips curve, Wage differentials, Equal pay for equal work

**SECTION-C**

**Industrial relations**: Growth, Structure and pattern of trade unions in India; Causes of Industrial disputes; methods of settlement (Collective bargaining, conciliation, arbitration and labour participation in management)

**SECTION-D**

Definition, Scope of Social Security, Social Security measures in India; Social Insurance and Social assistance programmes in India. Problems of child labour in India. Labour market reforms : Exit policy and measures imparting flexibility in labour markets.

**Recommended Readings:**

1. Bhagoliwal, T.N.: Economics of Labour and Industrial Relations, Sahitya Bhawan, 1982.
2. Hajela, P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Common wealth Publisher, New Delhi.
3. Lester, R.A. (1964), Economics of Labour, (2nd Edition), Macmillan, New York
4. McConnell, C.R. and S.L. Brue (1986), Contemporary Labour Economics, McGraw–Hill, New York.
5. Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds) (1993), Labour, Employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.

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**SEMESTER-VIII**

**ECONOMICS**

**ENVIRONMENTAL ECONOMICS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

## SECTION-A

**Basic Concepts:** Environment, natural resources, ecology, ecosystem.

**Environmental economics:** Meaning, Subject matter of environmental economics, Nature and Scope of Environmental Economics. Environmental Economics and Ecological Economics. Biodiversity Crisis: Value of Biodiversity Crisis, Measures for conservation and sustainable use of biodiversity.

## SECTION-B

**Externalities:** Meaning, Pigovian Taxes and Subsidies, Marketable Pollution Permits. Pareto Criterian; Common Property Resources and Coarse Theorem; Public Goods and Market Failure.

**Environment and Development Trade-off:** Environmental Kuznets Hypothesis. Concept of Sustainable Development, Sustainable Industrialisation, Clean Technology. Integrated environmental and economic accounting.

## SECTION-C

**Environmental Pollution:** Water Pollution, Air Pollution, Noise Pollution, Marine Pollution, Soil Pollution, Thermal Pollution, Nuclear Hazard. Environmental Laws in India.

International Conferences on Environment.

## SECTION-D

**Global Issues:** Poverty**,** population and environmental protection. Climate change and Global Warming; Food Security; Wildlife. Trade and environment policy under WTO regime. Recent policy instruments for controlling pollution environmental standards. Energy Policy and Environment.

**Resource Management:** Environmental Management; The principle of environment; The Polluter Pays Principle, The user Pays Principle, The Precautionary Principle, Principle of Effectively and Efficiency.

**Suggested Readings**

1. Baumol, YAN and W.R. Ostes (1998). The Theory of Environmental Policy, Cambridge University Press.
2. Bromely, D.W.(ed) (1995). Handbook of Environmental Economics, Blackwell, London.
3. Hanley, N. and C.J. Roberts (ed.) (2002). Issues in Environmental Economics, Blackwell, Oxford, Macmillan.
4. Kolstad, C.D. (1999). Environmental Economics, Oxford, New Delhi.
5. Sankar, U. (ed.) (2001) Environmental Economics An Indian Perspective, Oxford, New Delhi.
6. Sengupta, R.P. (2001) Ecology and Economics: An approach to Sustainable Development, Oxford, New Delhi.
7. Chadha, G.K. (ed.) (2001) WTO and Indian Economy, Deep & Deep, New Delhi.
8. Goodstein, E.S. (2002) Economics and the Environment, John Wiley, New York.
9. Kadekodi, G.K. (2004) Environmental Economics in Practice, Oxford, New Delhi.

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**SEMESTER-VIII**

**ECONOMICS**

**ECONOMETRICS**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

Econometrics: Nature and meaning; Difference between Mathematical economics, Statistics and Econometrics. History of Econometrics. Types of Data: Time series, Cross SECTION-And Panel Data.

Simple linear regression model (Two variables): Sources of disturbance terms, assumptions,.

**SECTION-B**

Estimators and Estimation, Least squares estimators and their properties

Gauss-Markov's theorem for Simple linear regression model; testing significance of regression coefficients, concepts of R2 and Adjusted R2.

**SECTION-C**

Multiple Regression Analysis: Meaning and Assumptions.

Estimation of Semi-log and double-log functions.

Analysis of variance approach (ANOVA) Concept and basic Applications.

Chow's test.

**SECTION-D**

Multicollinearity, Autocorrelation and Hetroscedasticity : Meaning, Nature, consequences, tests and remedies.

**Recommended Readings:**

1. Chow, G.: Econometrics, (1983).
2. Ghosh, S.K.: Econometrics
3. Gujrati, D.: Basic Econometrics (1955, 3rd edition, McGraw Hill Inc.)
4. Kelejian and Oats: Introduction to the Theory of Econometrics.
5. Koutsoyiannis, A.: Theory of Econometrics (1978).
6. Greene, William H: Econometric Analysis.

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**SEMESTER–VIII**

**ECONOMICS**

**(MINOR)**

**RESEARCH METHODOLOGY**

**(THEORY)**

**Time: 3 Hours** **L- T- P**

**Credits: 4 - 0 - 0**

**Marks: 100**

**60 Hrs.**

**Instructions for the Paper Setters:-**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**SECTION-A**

Introduction to Research: Meaning, purpose, significance of research, Research methods versus methodology, Research process.

Formulating a research problem: Selecting the problem, necessity of defining a problem, steps in the formulation of a research problem and objectives.

**SECTION-B**

Research Design: Exploratory, Descriptive and Experimental Research Design.

Literature review and critical thinking: The scope and importance of a literature review, types of literature review, procedure for reviewing the literature, review the selected literature. Documentation and referencing.

**SECTION-C**

Identification of variables: Types of variables from the point of view of causation, study design and unit of measurement. Types of measurement scale: nominal, ordinal, interval and ratio scale.

Sampling Design: Steps in Sampling Design; Probability and Non – Probability Sampling Methods. Sample size determination.

**SECTION-D**

Ethical issues in social science research: Principles of ethically acceptable research, Codes of ethics, rules of a good scientific practice.

Research writing: Characteristics of a good research paper. Planning and preparing a final research report, Structure of the report. Presenting the report.

**Suggested Readings:**

1. C.R. Kothari; Research Methodology: Methods and Techniques, Wiley Eastern Limited, 1985.
2. Kumar, R. Research Methodology: A step by step guide for beginners, 4th edition, Pearson, 2014.
3. Paul D. Leedy and J E Ormrod. Practical Research Planning and design, 11th edition, Pearson, 2018.
4. Creswell, J. W. Research design: Qualitative, quantitative and mixed methods approaches. 5th Ed. Thousand Oaks, CA: Sage, 2018.
5. Majhi, P. R. and Khatua, P. K. Research Methodology. 2nd Edition, Himalaya Publication House, 2018.