

Learning Outcomes based Curriculum Framework (LOCF)

B. A. (Honours) Economics (Four Year Degree Programme)

Scheme C



**Department of Economics
Chaudhary Ranbir Singh University, Jind**

w.e.f. 2023-24

Details of UG Programme with Single Major: Scheme C

B. A. (Honours) Economics

Table 1: Discipline Specific Courses

Semester	Courses Code	Name of Course	Credits		
			L	T	P
I	BA/SM/ECO/DSC/101	Microeconomics - I	3	1	0
	BA/SM/ECO/DSC/102	Macroeconomics - I	3	1	0
II	BA/SM/ECO/DSC/201	Microeconomics - II	3	1	0
	BA/SM/ECO/DSC/202	Macroeconomics - II	3	1	0

Table 2: Minor and Vocational Courses

Semester	Courses Code	Name of Course	Credits		
			L	T	P
I	BA/SM/ECO/MIC/101	Public Finance	3	1	0
II	BA/SM/ECO/MIC/201	Financial Services	3	1	0

Table 3: Multidisciplinary Courses

Semester	Courses Code	Name of Course	Credits		
			L	T	P
I	BA/SM/ECO/MDC/101	Indian Economy - I	2	1	0
II	BA/SM/ECO/MDC/201	Indian Economy - II	2	1	0

Table 4: Ability Enhancement Courses

Semester	Courses Code	Name of Course	Credits		
			L	T	P
I	-	<i>Choose from the common pool</i>	2	0	0
II	-	<i>Choose from the common pool</i>	2	0	0

Table 5: Skill Enhancement Courses

Semester	Courses Code	Name of Course	Credits		
			L	T	P
I	B-23-SEC-107	Basic Computer Applications	2	0	1
II	B-23-SEC-224	Computer Applications in Economics	2	0	1

Table 6: Value Added Courses

Semester	Courses Code	Name of Course	Credits		
			L	T	P
I	B-21-VAC-101	Human Value and Ethics	2	0	0
II	B-21-VAC-201	Environment Studies	2	0	0

Course Title: Microeconomics- I
Course Code: BA/SM/ECO/DSC/101

Total Credits: 4
Time: 3 Hours
Max. Marks: 100
Theory Marks: 70
Internal Marks: 30

Note: The question paper will consist of nine questions in all. The first question will be compulsory and will consist of seven short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:

1. To know the scope and breadth of Microeconomics along with understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems.
2. To understand the concept of ordinal utility. The core principles of demand so that they can apply the able to apply the understanding of these concepts to comprehend real world problems. It will make students aware about the various concept of utility.
3. Understanding the core principles of productions so that they can apply the understanding of the concepts to comprehended real world problems along with the ability to think critically and analyze economic problems.
4. It will make students aware about the various concepts of cost and revenue so that they are able to apply the understanding of these concepts.

Unit-I

Nature and Scope of Economics; Positive and Normative Economics; Basic problems of an Economy; Basic tools of Theoretical Analysis: Micro and Macro, Deductive and Inductive, static and dynamic, Stock and Flow.

Demand Function- Law of demand, changes in demand, Market demand curve; consequences of Bandwagon, Snob and Veblen effect; elasticity of demand: types and measurement, Determinant of elasticity.

Unit-II

Theories of Consumer Behaviour: Cardinal utility Theory, Marginal and total utility, Consumer Equilibrium.

Ordinal utility Theory: Indifference curve analysis, Characteristics, Budget line, Marginal rate of substitution, Consumer's equilibrium, Price, income and substitution effects, Derivation of Demand curve.

Unit-III

Supply Function- Law of Supply, changes in supply, elasticity of supply.

Production Function; TP, AP and MP; Returns to a Factor and Returns to Scale; Economies and diseconomies, Isoquant and their uses, least cost combination.

Unit-IV

Production Function- Cobb-Douglas, CES Production; Cost: Meaning, Types; Traditional and Modern Theories of Costs; Derivation of Cost; Revenue: Total, Marginal and Average Revenue.

Books Recommended:

1. Archibald, G.C. (Ed.)(1971) *Theory of the Firm*. Penguin, Harmonds worth.
2. Baumol, W.J. (1982) *Economic Theory and Operations Analysis*. Prentice Hall of India, New Delhi.
3. Da Costa, G. C. (1980) *Production, Prices and Distribution*. Tata McGraw Hill, New Delhi.
4. Koutsoyiannis, A. (1979), *Modern Microeconomics (2ndEdition)*, Macmillan Press, London.
5. Salvatore, D. (2009), *Microeconomics- Theory and Applications*, Oxford University Press.

Course Title: Macroeconomics- I
Course Code: BA/SM/ECO/DSC/102

Total Credits: 4
Time: 3 Hours
Max. Marks: 100
Theory Marks: 70
Internal Marks: 30

Note: The question paper will consist of nine questions in all. The first question will be compulsory and will consist of seven short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:

1. The students shall understand the meaning and basic concepts of Macro Economics.
2. To understand the concept and measurement of national income.
3. To understand the concept of the circular flow of national income and the basics of the classical theory of income and employment determination.
4. To understand the classical theory of the determination of income, employment and consumption.

Unit-I

Macro Economics: Meaning, characteristic, and scope of Macro Economics, Differences between Micro and Macro Economics,

Basic Concepts: Real and nominal; Induced and autonomous; stock and flow; Static, comparative Static and dynamic analysis; intermediate and final goods.

Unit-II

Concepts of National Income: GDP, GNP, NDP, and NNP at Market Price and factor cost.

Measurement of National Income; Income, Expenditure, product and value-added method and their precautions and limitations.

Circular flow of National Income: The real and monetary flow of income, circular flow of income in two, three, and Four sector economy. National income and welfare.

Unit-III

Determination of Income and Employment: Classical View, Labour Market; Product Market and Money Market. Full Employment and Various Types of Unemployment; Say's Law of Market; Classical Theory of Employment with and without saving & investment; Keynes' objection to the Classical Theory.

Unit-IV

Consumption function and Keynes' Effective Demand: Meaning characteristics of APC and MPC; Keynes' Psychological law of consumption and its implications /significance. Factors affecting consumption function; Investment function, MEC

Aggregate demand and supply functions; Keynes' Principle of effective demand and its determination; Multiplier and Accelerator.

Books Recommended:

1. Langdana, F.K. (2013) *Macroeconomic Policy: Demystifying Monetary and Fiscal Policy*. Springer.
2. Romer, David (2012) *Advanced Macroeconomics*. McGraw Hill Education.
3. Shapiro, E. (2006) *Macroeconomic Analysis*. Galgotia Publication, New Delhi.
4. Levacic, Rosalind &Rebmann, Alexander (2015). *Macroeconomics*. Macmillan, London.
5. Mankiw, Gregory N. (2014) *Principles of Macroeconomics*. Cengage Learning.
6. Mishkin, F.S. (2016) *The Economics of Money Banking and Financial Markets*. Pearson.

Course Title: Microeconomics- II
Course Code: BA/SM/ECO/DSC/201

Total Credits: 4
Time: 3 Hours
Max. Marks: 100
Theory Marks: 70
Internal Marks: 30

Note: The question paper will consist of nine questions in all. The first question will be compulsory and will consist of seven short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:

1. Analyze given situations in a perfect market on a micro economic level. Understand the internal structure and assumptions of the different analytical frameworks of market conditions.
2. Analyze given situations in a monopoly and monopolistic competition markets on a micro economic level. Understand the internal structure and assumptions of the different analytical frameworks of market conditions.
3. Analyze given situations in a various market on a micro economic level. Understand the internal structure and assumptions of the different analytical frameworks of market conditions.
4. Apply micro economic tools to solve real life problems especially under uncertainty and game theory.

Unit-I

Perfect Competition: Meaning, Assumptions, Characteristics, Price determination, Short Run Equilibrium of firm and Industry, Long Run Equilibrium of firm and Industry, Supply Curve of firm and Industry.

Unit-II

Monopoly: Definition, Assumptions, Characteristics, Equilibrium and Price Determination, Price Discrimination, degrees and justification, Monopoly power.

Imperfect Competition: Monopolistic competition, characteristics, short period and long period equilibrium of the firm, Group equilibrium, selling costs, product differentiation, excess capacity..

Unit-III

Comparative study of markets: Comparison between perfect competition, monopoly and monopolistic competition on the basis of Price, Elasticity, Costs, Output and Advertisement costs..

Unit-IV

Oligopoly: Non collusive models– Cournot, Bertrand, kinked demand models; Collusive Models: joint profit maximizing market sharing and leadership, cartels. Marginal Productivity Theory, Rent, Interest and Profit.

Books Recommended:

1. Archibald, G.C. (Ed.)(1971) *Theory of the Firm*. Penguin, Harmonds worth.
2. Baumol, W.J. (1982) *Economic Theory and Operations Analysis*. Prentice Hall of India, New Delhi.
3. Da Costa, G. C. (1980) *Production, Prices and Distribution*. Tata McGraw Hill, New Delhi.
4. Koutsoyiannis, A. (1979), *Modern Microeconomics (2ndEdition)*, Macmillan Press, London.
5. Salvatore, D. (2009), *Microeconomics- Theory and Applications*, Oxford University Press.
6. Varian, H. (2003) *Intermediate Microeconomics*, East-West Press.
7. Lipsey, R.G. and Chrystal, K. Alec "An Introduction to Positive Economics"(OUP)

Course Title: Macroeconomics- II
Course Code: BA/SM/ECO/DSC/202

Total Credits: 4
Time: 3 Hours
Max. Marks: 100
Theory Marks: 70
Internal Marks: 30

Note: The question paper will consist of nine questions in all. The first question will be compulsory and will consist of seven short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:

1. The students shall understand the meaning and concept of money.
2. To understand the concepts of inflation, aggregate demand, and aggregate supply.
3. Understanding the fiscal and monetary policies.
4. To understand various schools of Macroeconomic thoughts.

Unit-I

Money: Functions of money; quantity theory of money; determination of money supply and demand; credit creation; tools of monetary policy.

Unit-II

Inflation: Concept, Causes, Types, Effects. Inflation and its social costs; Hyper inflation.

Trade Cycle: meaning and phases of trade cycle; Samuelson and Hicks theories of trade cycle

Unit-III

Fiscal and Monetary Policy: Goals and instruments of monetary policy and fiscal policy, IS-LM curve and monetary policy

Unit-IV

Schools of Macroeconomic Thoughts: Classical; Keynesians; New-Classical and New-Keynesians.

Books Recommended:

1. Langdana, F.K. (2013) *Macroeconomic Policy: Demystifying Monetary and Fiscal Policy*. Springer.
2. Romer, David (2012) *Advanced Macroeconomics*. McGraw Hill Education.
3. Shapiro, E. (2006) *Macroeconomic Analysis*. Galgotia Publication, New Delhi.
4. Levacic, Rosalind & Rebmann, Alexander (2015). *Macroeconomics*. Macmillan, London.
5. Mankiw, Gregory N. (2014) *Principles of Macroeconomics*. Cengage Learning.
6. Mishkin, F.S. (2016) *The Economics of Money Banking and Financial Markets*. Pearson.

Course Title: Public Finance
Course Code: BA/SM/ECO/MIC/101

Total Credits: 4
Time: 3 Hours
Max. Marks: 100
Theory Marks: 70
Internal Marks: 30

Note: The question paper will consist of nine questions in all. The first question will be compulsory and will consist of seven short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:

1. Students will understand the nature, scope and importance of public finance and different role of government.
2. To become familiar with the concept of budget and types or classification of budget, budget making process in India.
3. Understand the economic implications of various taxes along with their critical analysis thereby attain in-depth knowledge of theories, postulates based on taxation, tax elasticity, tax buoyancy, tax effort and excess burden and thus become able to design an efficient and equitable taxation system.
4. Understand and able to analyze the concept of public expenditure and public debt, different theories of public expenditure and burden controversy of public debt.

Unit-I

Introduction to Public Finance: Nature, Scope and Importance. Theory of Maximum Social advantage. Private goods, public goods and Merit goods. Overview of different roles of government: allocation, stabilization and distribution.

Unit-II

Budget: Meaning and Purpose of Budget; Types or Classification of Budget, Budget Making Process in India;

Budgeting: Zero based Budgeting, Performance Budgeting; Measures of Budget Deficit and their Significance.

Unit-III

Sources of Public Revenue: Tax and Non-tax sources, progressive and proportional taxes, direct and indirect taxes; Canons of taxation.

Approaches to Tax Equity: Benefit principle; Ability to pay principle. Theory of Incidence of Indirect taxes; Taxable capacity: meaning and determinants.

Unit-IV

Public Expenditure: Rationale for the growth of Public Expenditure: Wagner's law of increasing state activities; Peacock-Wiseman hypothesis; Canons of Public Expenditure.

Public Debt: Concepts, types and sources of Public Debt; Principles of Public Debt Management; Public Debt Management in India.

Books Recommended:

1. Musgrave, R & Musgrave, PB: Public Finance in Theory and Practice. McGraw– Hill International eds.
2. Houghton, RW(ed.) (1970): Public Finance
3. Atkinson, AB and Stiglitz, JE: Lectures on Public Finance
4. Peacock, and Straw, GK(1970): The Economic Theory of Fiscal Policy
5. Chellah, RC (1996): Sustainable Growth, Essays on Financial and Fiscal Sector Reforms, Oxford University Press.
6. Raghbendra Jha(1999):Modern Public Economics, Rotledge
7. Govt. of India, Ministry of Finance: 9th,10thand11thFinance Commission Reports
8. Govt. of India, Ministry of Finance: Sarkaria Commission Report on Centre State Financial Relations.

Course Title: Financial Services
Course Code: BA/SM/ECO/MIC/201

Total Credits: 4
Time: 3 Hours
Max. Marks: 100
Theory Marks: 70
Internal Marks: 30

Note: The question paper will consist of nine questions in all. The first question will be compulsory and will consist of seven short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question from each unit. All questions carry equal marks.

Course Outcomes:

1. Demonstrate an awareness of the current structure and regulation of the Indian financial services, merchant banking and factoring.
2. Describe the functioning of venture capital industries; access the credit rating process methodology.
3. Understanding the concept of leasing and functioning of mutual fund.
4. Develop understanding of book building mechanism and analyse the credit card business in India

Unit-I

Financial Services: Concept, Nature, Types and Scope of Financial Services, Regulatory Framework of Financial Services, Growth of Financial Services in India; Merchant Banking: Meaning, Types, Responsibilities of Merchant Bankers, Role of Merchant Bankers in Issue Management, Regulation of Merchant Banking in India; Factoring: Meaning, Characteristics and Types of Factoring arrangements, factoring in India, Factoring vs. Forfeiting.

Unit-II

Venture Capital: Meaning, Modes of Financing, Growth of Venture Capital in India; Credit Rating: Meaning and types; Benefits of Credit rating to investors and companies, Credit Rating Agencies-Objectives and Functions.

Unit-III

Leasing: Concept, Classification, Evaluation of Leasing Option Vs. Borrowing; Mutual Funds: Concept and Objectives, Functions and Portfolio Classification, Organization and Management, Guidelines for Mutual Funds, Working of Public and Private Mutual Funds in India.

Unit-IV

Securitization: Concept, Mode, Mechanism and Beneficiaries of Securitization, Securitization in India; Book Building: Concept and Mechanism of Book Building, Significance and Benefits of Book Building; Credit Cards: Concept and Significance, Types of Credit Cards, Credit card Business in India.

Books Recommended:

1. Bhole & Mahakud, Financial Institutions and Market, TMH, New Delhi.
2. V.A. Avadhani, Marketing of Financial Services, Himalayas Publishers, Mumbai.
3. DK Murthy, and Venugopal, Indian Financial System, IK Int Pub House.
4. Anthony Saunders and MM Cornett, Fin Markets & Institutions, TMH, New Delhi.
5. PunithavathPandian, Financial Markets and Services, Vikas, New Delhi.
6. Vasanth Desai, Financial Markets & Financial Services, Himalaya, Mumbai.

Course Title: Indian Economy-I
Course Code: BA/SM/ECO/MDC/101

Total Credits: 3
Time: 3 Hours
Max. Marks: 75
Theory Marks: 50
Internal Marks: 25

Note: The question paper will consist of four questions in all. The first question will be compulsory and will consist of four short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question of 14 marks from each unit.

Course Outcomes:

1. To understand the characteristics and indicators of Indian economy.
2. To know the institutional structure of agriculture and issues of food security in Indian economy.
3. Understanding the India's population growth, its reasons and various theory of population growth.

Unit-I

Indian Economy: Nature and Characteristics of Indian Economy. Basic Economic Indicators—National Income, Performance of Different Sectors. Trends in Prices and Money Supply.

Unit-II

Institutional Structure: Land-reforms in India; Agricultural Marketing and Warehousing; Issues in Food Security – Policies for Sustainable Agriculture; Agricultural Finance Policy; Agricultural Price Policy.

Unit-III

Theories of Population: Malthusian Theory of Population, Optimum Theory of Population, Theory of Demographic Transition, Population as 'Limits to Growth' and as 'Ultimate Source'.

India's Population: Size and Growth Trends; Causes of Rapid Growth of Population, Remedies for Population Explosion, Population Policy.

Books Recommended:

1. Bardhan. P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
2. Brahmanada, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-State Perspectives, Bookwell, Delhi.
3. Datta, R. and K P. M. Sundhram (latest edition), Indian Economy. S. Chand & Company Ltd. New Delhi.
4. Mishra, S.K and V.K. Puri Indian Economy-151 Development Experience, Himalaya Publishing House, Mumbai, Latest Edition.
5. Meier, Gerald M. (1987). *Pioneers in Development*. Oxford University Press, New Delhi.
6. Ministry of Finance (2020). *Economic Survey*. Government of India.

Course Title: Indian Economy-II
Course Code: BA/SM/ECO/MDC/201

Total Credits: 3
Time: 3 Hours
Max. Marks: 75
Theory Marks: 50
Internal Marks: 25

Note: The question paper will consist of four questions in all. The first question will be compulsory and will consist of four short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question of 14 marks from each unit.

Course Outcomes:

1. To understand the monetary and fiscal policy.
2. To understand the concept of agricultural, industrial and service sectors of Indian economy.
3. To understand the concept of international trade.

Unit-I

Growth and Development: Meaning of Growth and Development, Indicators & Measurements of Growth, Determinant of Growth, Sustainable Development, Planning in India

Monetary and Fiscal Policy: Goals and Instruments of Monetary and Fiscal Policy with Special Reference to India,

Unit-II

Agricultural, Industrial and Service Sectors: Constraint to agricultural Development, Industry as the Engine of Growth, Determinant of Industrialization, Excess Growth of Service Sector, Taxation and Reforms.

Unit-III

International Trade: Foreign Trade, Determinant of Export and Import, Balance of Payment, Trade and Development, Export Import Policy.

Books Recommended:

1. Bardhan, P.K. (1999). The Political Economy of Development in India, 9th Edition, Oxford University Press, New Delhi.
2. Byres, T.J. (Ed.) (1998). The Indian Economy: Major Debate since Independence, Oxford University Press, New Delhi.
3. Dhar, P.K. (2014) Indian Economy-Its growing dimensions, Kalyani Publishers, New Delhi.
4. Economic Surveys, Government of India Various Issues.
5. Reserve Bank of India: Report on Currency and Finance (Annual), Mumbai.
6. Economic and Political Weekly: Various Issues.
7. Dutt Rudder and K.P.M Sundaram (2018). Indian Economy, 72th Edition, S, Chand

Course Title: Basic Computer Applications
Course Code: B-23-SEC-107

Total Credits: 3
Time: 2 Hours
Max. Marks: 75
Theory Marks: 50
Practical Marks: 25

Note: The question paper will consist of four questions in all. The first question will be compulsory and will consist of four short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question of 14 marks from each unit.

Course Outcomes:

1. Students will be able to understand MS-word.
2. To understand technique of Inserting graphs and diagrams.
3. To understand the concepts and working of MS power point.

Unit-I

Introduction to Computer Fundamental: Basic Computer Terminology, Generations of Computer, Components of Computer.

Unit-II

Input-Output Devices: Monitor, Keyboard, Mouse and Printer. Memory; Types of Memory. Hardware and Software. Internet & Intranet

Unit-III

Introduction to MS Word: Editing and formatting of documents, inserting page Numbers and footnotes.

Introduction to MS Excel: Auto format and properties, inserting tables, graphs and diagrams.

Introduction to MS Power point: Creating and enhancing presentation.

Books Recommended:

1. Ahlawat, Surender (2020). *Computer Application in Economics*. Kindle Direct Publishing. Seattle, Washington. USA.
2. Rajaraman, V. (2015), *Fundamentals of Computers*, Prentice Hall of India, New Delhi.
3. Bhattacharjee Jyoti (2010), *Practical Statistics: Using Microsoft Excel*, Asian Books, Asian Books Private Limited, New Delhi.
4. ITL Education Solution Limited (2012), *Introduction to Information Technology*, Pearson, New Delhi.
5. House, D. (2015), *Microsoft Word, Excel, and PowerPoint: Just for Beginners*. India: Outskirts Press.

Course Title: Computer Applications in Economics
Course Code: B-23-SEC-224

Total Credits: 3
Time: 2 Hours
Max. Marks: 75
Theory Marks: 50
Practical Marks: 25

Note: The question paper will consist of four questions in all. The first question will be compulsory and will consist of four short answer type questions of two marks each covering the whole syllabus. In addition, the students are required to attempt one question of 14 marks from each unit.

Course Outcomes:

1. To understand the concepts and working of MS excel.
2. To understand the concepts and working of uses of mathematical techniques.
3. To understand the statistical technique and analysis on MS excel.

Unit-I

Data and Information: Meaning and Types, Database Management System; Advantages and Limitations. Email, Search Engines, Social Media.

Unit-II

Introduction to Excel: Creation of Worksheets; Data Entry, Formatting, Sorting and Validation; Importing and Exporting of Data Files.

Unit-III

Uses of Mathematical Techniques: Uses of Mathematical (Addition, Subtraction, Multiplication and Division) and Descriptive Statistics (Mean, Median, Mode); Creation of Diagrams and Graphs.

Books Recommended:

1. Ahlawat, Surender (2020). *Computer Application in Economics*. Kindle Direct Publishing. Seattle, Washington. USA.
2. Rajaraman, V. (2015). *Fundamentals of Computers*. Prentice Hall of India, New Delhi.
3. Bhattacharjee Jyoti (2010), *Practical Statistics: Using Microsoft Excel*, Asian Books, Asian Books Private Limited, New Delhi.
4. ITL Education Solution Limited (2012), *Introduction to information Technology*, Pearson, New Delhi.
5. House, D. (2015), *Microsoft Word, Excel, and PowerPoint: Just for Beginners*. India: Outskirts Press.

Course Title: Human Values and Ethics
Course Code: B-21-VAC-101

Total Credits: 2
Time: 2 Hours
Max. Marks: 50
Theory Marks: 35
Internal Marks: 15

Note: The question paper will consist of three questions in all. The first question will be compulsory and will consist of seven short answer type questions of one mark each covering the whole syllabus. In addition, the students are required to attempt one question of 14 marks from each unit.

Course Outcomes:

1. To know the Need, Content and Process for Value Education.
2. To understand the Human Values and Ethics.

Unit-I

Introduction, Need, Content and Process for Value Education: Understanding the Need, Content and Process for Value Education.

Classification of Value Education: Understanding Personal Values, Social Values, and Moral Values & Spiritual Values; Understanding the Difference between Ideology and Values.

Meaning and nature of human values: Significance of Human Values in Life; Relation between Values and Ethics. Understanding the Relationship among: Self, Identity and Personality.

Unit-II

Nature, Characteristics and Scope of Professional Ethics: Types of Professional Ethics; Professional Values: Trusteeship, Inclusiveness, Commitment, Sustainability, Accountability, Transparency, Impartiality.

Values for Global Citizenship: Equality, Justice, and Human Dignity. Nature and Need of Competency based Education; Types of Competencies, Core Competencies: Communication, Teamwork, Planning and Achieving Goals, Functional Competencies: Analytical Thinking, Knowledge Sharing and Learning, Decision Making, Partnership Building.

Books Recommended:

1. R.R. Gaur, R Sangal, G.P. Bagaria (2009): A Foundation Course in Human Values and Professional Ethics, Excel Books.
2. D.R. Kiran (2014) Professional Ethics and Human Values, McGraw Hill Education (India).
3. Happiness and Well-Being, NIOS Module V (Health and well-being)
4. Kiran Kumar, K. Salagame (2016): Meaning and Well-Being: Indian Perspectives, Journal of Constructivist Psychology
5. Dan P. McAdams, Kali Trzesniewski, Jennifer Lilgendahl, Veronica Benet-Martinez, Richard W. Robins (2021) Self and Identity in Personality Psychology, Personality Science, 2021, Vol. 2, Article e6035, <https://doi.org/10.5964/ps.603>
6. S.K. Kiran Kumar (2003): An Indian conception of wellbeing, in Henry, J. (Ed) European Positive Psychology Proceedings 2002. Leicester, UK: British Psychological Society.
7. Vivian L Vignoles (2017): Identity: Personal and Social, Chapter to appear in Oxford Handbook of Personality and Social Psychology (2nded.), edited by Kay Deaux and Mark Snyder.
8. Wong, S.-C. (2020). Competency Definitions, Development and Assessment: A Brief Review. International Journal of Academic Research in Progressive Education and Development, 9(3),95–114.

Course Title: Environmental Studies
Course Code: B-21-VAC-201

Total Credits: 2
Time: 2 Hours
Max. Marks: 50
Theory Marks: 35
Internal Marks: 15

Note: The question paper will consist of three questions in all. The first question will be compulsory and will consist of seven short answer type questions of one mark each covering the whole syllabus. In addition, the students are required to attempt one question of 14 marks from each unit.

Course Outcomes:

1. Understand the concept of environmental studies, sustainable development and ecosystem.
2. Know about the types of pollution, solid waste management, global environmental issues and environmental laws.

Unit-I

Introduction to Environmental Studies: Multidisciplinary Nature of environmental Studies; Scope and Importance; Concept of Sustainability and Sustainable Development.

Natural resources: Renewable and Non- renewable Resources; Land Resources: Land Degradation and Soil Erosion; Forest Resources: Importance of Forests, Deforestation: Causes and Impacts on Environment; Water Resources: Use and Over- exploitation of Surface and Ground Water; Energy Resources: Renewable and Non- renewable Energy Sources.

Unit-II

Environmental Pollution: Types, Causes, Effects and Controls; Air, Water, Soil and Noise Pollution; Solid Waste Management: Sources, Methods of Disposal: Landfill, Incineration and Composting; Climate Change, Global Warming, Ozone Layer Depletion, Acid Rain and Impacts on Human Communities and Agriculture.

Books Recommended:

1. Kumar, D. and Phougat, S. (2022). Environmental Economics: Theory and Practice, *Academic Publication, New Delhi*.
2. Kaushik, A & Kaushik, C.P. 2022. Perspectives in Environmental Studies. New Age International Pvt Ltd, New Delhi.
3. Bharucha, E. 2021. A Textbook of Environmental Studies for Undergraduate Courses, Orient Blackswan Pvt. Ltd.
4. Goswami, P., Mandal, J. & Singh, S. 2022. A Textbook on Environmental Studies, Ashok book stall, Assam.
5. Joshi, P.C. & Joshi, N. 2009. A Text Book of Environmental Science. APH Publishing Corporation.
6. Basu, M. & Xavier Savarimuthu, S.J. 2017. Fundamentals of Environmental Studies. Cambridge University Press.
7. Singh, R.P. & Islam, Z. 2012. Environmental Studies. Concept Publishing Company.