



Government College for women (A),Guntur.

COURSE INFORMATION BOOKLET

2023-2024

DEPARTMENT OF

ECONOMICS

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Vision and Mission of the Department

Vision:

To understand the importance of economic development and various economic policies through study and analysis in the context of Liberalisation, Privatisation and Globalisation.

Mission:

To make the students aware of modern trends in economic policies through discussions and workshops.

To enhance entrepreneurship capabilities suitable to urging demand through field trips, awareness programmes, invited lectures and study projects.

AIMS AND OBJECTIVES

Aims:

“An important aim of the economics course should be to provide knowledge concerning consumption of goods and the functions of the distributive occupations which place these goods in the hands of consumers”.

Objectives:

1. To gain knowledge about economics concepts like nature of Economics, wealth, welfare, law of demand etc.
2. To analysis of different type of market structures, competition, monopoly, price determination etc.
3. To apply the theories like marginal productivity theory, theory of wages, theory of collective bargaining etc.
4. To develop skills in explaining theories of rent, theories of interest liquidity preference theory in real life situations and higher learning situations.
5. To Analyses the theories of employment and says ”law of market”.
6. To develop skills in problem solving i.e., explaining solutions for problems like poverty, financial inequalities, unemployment, food security etc.

Programme Outcomes(POs) and Programme Specific Outcomes (PSOs)

Programme Outcomes(POs)

After the completion of the B. A. (H.E.P.)Programme, the students will be able to achieve the following outcomes:

PO1. Critical Thinking:

Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational and personal) from different perspectives.

PO2. Effective Communication:

Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and by connecting people, ideas, books, media and technology across the World.

PO3. Social Interaction:

Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO4. Effective Citizenship:

Demonstrate empathetic social concern and equity-centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5. Ethics:

Recognize different value systems including that of own, understand the moral dimensions of our decisions, and accept responsibility for them.

PO6. Environment and Sustainability:

Understand the issues in the contexts of environmental and sustainable development.

PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

Programme (Economics) Specific Outcomes (PSO)

After completion of Economics programme, the students will be in a position to take informed decisions with regard to the following:

PSO1 - How the consumers and producers will take rational decisions in the context of unlimited needs and availability of scarce resources;

PSO2 – How the economy at the aggregate level works, what are the determinants of national income, prices, demand for and supply of money, poverty, and unemployment in an economy;

PSO3 - He/she Gets understanding of the process of economic growth, economic development, sustainable growth in the context of existence of trade-off between rapid economic growth and environmental sustainability in the long- run;

PSO4 - He/she will be able to apply the determinants of economic growth and development to the economies of India and Andhra Pradesh and appraise the fiscal, monetary and other socio-economic policies being pursued in India and Andhra Pradesh

PSO5 – He/she will get a basic understanding of Statistical Methods with a view to applying them to economics and real life situations

Programme (Financial Economics) Specific Outcomes (PSO)

By the end of the course in economics the student will be able to

PSO1: Elaborates with different branches of economics

PSO2: Can design how to conduct socio and economic research

PSO3: Aware about the collection of taxes, public expenditure and public debt

PSO4: Adopt and apply concepts and principles of insurance services, functioning of insurance service agencies and basic models of insurance to build carrier in business of insurance services

PSO5: To interpret the concepts and essentials of banking and financial services

List of Programmes Offered by the Department

Title of the programme

1. B.A .Financial Economics Major
2. B.A.HISTORY, ECONOMICS, POLITICS
3. B.A.COMMUNICATIVES ENGLISH, ECONOMICS
4. B.A.PSYCHOLOGY, ECONOMICS, POLITICS
5. B.A.FINANCIALECONOMICS (E.M)

LIST OF MINORS OFFERED BY DEPARTMENT

Sem	Paper	Minor
II	1	Microeconomics
III	2	Macroeconomics
IV	3	India and A.P Economy
	4	Statistics for Economics
V	5	Inferential Statistics and Software Packages
	6	Urban Entrepreneurship and MSMEs

B.A. ECONOMICS COURSE STRUCTURE (THREE MAJOR SYSTEM)**B.A. ECONOMICS (2022-2023)**

Semester	Paper	Title of the Module(BA Economics)	Code of the module
I	I	Micro Economics Analysis	Eco1103
II	II	Macro Economic Analysis	Eco2103
III	III	Development Economics	Eco3103
IV	IV	Economic Development India & A.P	Eco4103
IV	V	Statistical Methods for Economics	Eco4103A
V	VI	Urban Entrepreneurship & MSMEs	Eco5103
V	VII	Retail & Digital Marketing	Eco6103

B.A. FINANCIAL ECONOMICS COURSE STRUCTURE (THREE MAJOR SYSTEM)**B.A. FINANCIAL ECONOMICS (2022-2023)**

Semester	Paper	Title of the Module (Financial Economics)	Course Code
I	I	Micro Economic Theory	FE1105
II	II	Macro Economic Theory	FE2105
III	III	Economic Development in India & A.P	FE3105
IV	IV	Financial Markets & Institutions	FE4105
IV	V	Public Finance and Policy	FE5105
V	VI	Insurance Services	FE6105
V	VII	Banking and Financial Services	FE7105

B.A. FINANCIAL ECONOMICS COURSE STRUCTURE (SINGLE MAJOR SYSTEM)

Sem	Paper	Course Code
I	1. Fundamentals of Social Sciences	
	2. Perspectives on Indian Society	
II	3. Microeconomics	
	4. Mathematical Methods for Economics	
III	5. Macroeconomics	
	6. Economic Thought and Political Economy	
	7. Development Economics	
IV	8. Public Economics	
	9. India and A.P Economy	
	10. Statistical Methods for Economics	
V	11. International Economics	
	12. Banking and Financial Services	
	13. Insurance Services	
VI	14 A. Urban Entrepreneurship and MSMEs Or	
	14 B. Retail and Digital Marketing	
	15 A. Inferential Statistics and Software Packages Or	
VII	15 B. Project Designing and Report Writing	
	7.1 Advanced Microeconomics Analysis Or	
	Advanced Macroeconomics Analysis	
VII	7.2 Environmental Economics Or	
	Agricultural Economics	
	7.3 Industrial and Infrastructural Economics Or	
SEC	Economics of Education and Health	
	7.4 Basic Econometrics Or	
	Computer Application for economic analysis	
VIII	7.5 Social entrepreneurship Or	
	Marketing Research	
	8.1 Advanced Theories in Development Economics Or	
VIII	Contemporary Developmental Issues in Indian Economy	
	8.2 Contemporary Developmental Issues in Andhra Pradesh Economy Or	
	Gender and Social Economics	
SEC	8.3 Behavioral Economics Or	
	Constitutional Economics	
	Investment Analysis and Portfolio Management	
SEC	Experimental Economics	
	Cooperative Economics Or	
	Corporate Social Responsibility	

COURSE WISE SYLLABUS WITH OUTCOMES
SINGLE MAJOR SYSTEM

Semester-I

Paper – 1

Fundamentals of Social Sciences

Learning Outcomes: On successful completion of the course the student will be able to :

1. Learn about the nature and importance of social science.
2. Understand the Emergence of Culture and History
3. Know the psychological aspects of social behaviour
4. Comprehend the nature of Polity and Economy
5. Knowledge on application of computer technology

Syllabus

Unit – I – What is Social Science?

1. Definition and Scope of Social Science – Different Social Sciences
2. Distinction between Natural Science and Social Sciences
3. Interdisciplinary Nature of Social Sciences
4. Methods and Approaches of Social Sciences

Unit -II: Understanding History and Society

1. Defining History, Its Nature and Scope
2. History- A Science or an Art
3. Importance of History in the Present Society
4. Types of History and Chronology of Indian History

Unit – III – Society and Social Behaviour

1. Definition , Nature and Scope of Psychology
2. Importance of Social Interaction
3. Need of Psychology for present Society
4. Thought process and Social

BehaviorUnit – IV – Political Economy

1. Understanding Political Systems
2. Political Systems – Organs of State
3. Understanding over Economics - Micro and Macro concepts
4. Economic Growth and Development - Various aspects of development

Unit - V – Essentials of Computer

1. Milestones of Computer Evolution - Computer – Block Diagram, Generations of Computers
2. Internet Basics – Internet History, Internet Service Providers – Types of Networks – IP – Domain Name Services – Applications
3. Ethical and Social Implications – Network and Security concepts – Information assurance fundamentals
4. Cryptography – Symmetric and Asymmetric –malware – Fire walls – Fraud Techniques – Privacy and Data Protection

Reference Books

1. The social sciences: An Integrated Approach by James M. Henslin and Danniell F. Chambliss
2. The Wonder that was India – A.L.Bhasham
3. Introduction to Psychology – Morgan and King
4. Principles of Political Science – A.C. Kapoor
5. Contemporary Political Theory – J.C.Johari
6. M.L.Jhingan – Economic Development – Vikas, 2012
7. ML Seth – Macro Economics - Lakshminarayana Agarawal, 2015
8. Fundamentals of Computers by V. Raja Raman
9. Cyber Security Essentials by James Graham, Richard Howard, Ryan Olson

Semester-I

Paper – II

Perspectives on Indian Society

Learning Outcomes: On successful completion of the course the student will be able to :

1. Learn about the significance of human behavior and social dynamics.
2. Remembers the Indian Heritage and freedom struggle
3. Comprehend the philosophical foundations of Indian Constitution
4. Knowledge on Indian Economy

Syllabus

Unit – 1 – Man in Society

1. Human Nature and Real-Life Engagement
2. Social Groups and Social Dynamics
3. Individualism and Collectivism – Ethical Concerns
4. Human Life – Social Influence and Social Impact

Unit-II: Indian Heritage and Freedom Struggle in India

1. Cultural & Heritage sites of Tourism in India
2. Indian Dance, Music and Yoga
3. Rise of Nationalism Under British Rule in brief (1857-1947)
4. Contemporary history of India-integration of Princely States, abolition of Zamindari, formation of linguistic states

Unit – 3 – Indian Constitution

1. Philosophical Foundations of Indian Constitution
2. Elements of Indian Constitution
3. Study of Rights in Indian Constitution
4. Directive principles to

StateUnit – 4. Indian Economy

1. Indian Economy - Features – Sectoral contribution in income
2. Role of Financial Institutions - RBI - Commercial Banks
3. Monetary and Fiscal Policies for Economic Development
4. Economic Reforms - Liberalization - Privatization- Globalization

Unit – 5 - Impact on Society & Analytics

1. Role of Computer, impact of Computers on human behavior, e-mail,
2. Social Networking- WhatsApp, Twitter, facebook, impact of Social Networks on

- human behavior.
3. Simulating, Modeling, and Planning, Managing Data, Graphing, Analyzing Quantitative Data,
 4. Expert Systems and Artificial Intelligence Applications in the Social Sciences

References

1. Introduction to Psychology – Atkinson RC
2. History of the freedom movement in India – Tarachand
3. India since Independence – Bipinchandra
4. Introduction to the Constitution of India D.D.Basu
5. S.K Misra & V.K Puri – Indian Economy, Himalaya Publishing House , 2015
6. Government of India, Economic Survey (Annual), New Delhi
7. Information and Communication Technology by APCCE
8. Computer Applications in the Social Sciences by Edward E. Brent, Jr. and Ronald E. Anderson

Semester-II Paper-III MICROECONOMICS

Course Learning Outcomes:

After studying this course, the student shall be able to achieve the following outcomes:

- CO1: Explain what is an economy, economics and differentiate between micro and macro economics**
- CO2: Analyses the demand of a product and estimate elasticity**
- CO3: Estimate production function and understand its application**
- CO4: Analyze functioning of different markets and their differentiations**
- CO5: Examine the determination of rent, wage, interest and profit**

Syllabus

Unit–1: Introduction to Economics

- Economic Activities and Economic System; Definition, Scope and Importance of Economics
- Fundamental problems of economics: Scarcity and Choice, Production Possibilities Curve
- Meaning and Scope of Microeconomics; Differences between Micro and Macro Economics
- Principles of Microeconomics: Equilibrium, Optimization, Welfare ; Methodology in Economics : Positive and Normative

Unit -2: Demand and Consumption

- Demand: Meaning, Types and Factors; Law of Demand
- Elasticity of Demand: Meaning, Price, Income and Cross Elasticities

- Utility: Meaning, Types, Importance; Marginal Rate of Substitution (MRS), DMRS
- Indifference Curves (IC): Concept, Properties; Budget Line; Consumer Equilibrium under IC

Unit -3: Production and Supply

- Firm: Concept and Objectives; Production and Factors of Production; Concepts of Production, Cost and Revenue: Total, Average, Marginal
- Production Function: Meaning and Types; Cobb- Douglas Production Function
- Law of Variable Proportions; Laws of Returns to Scale
- Supply: Meaning, Factors, Law of Supply, Elasticity of Supply

Unit-4: Markets

- Market: Concept and Classification; Perfect Competition: Characteristics, Equilibrium of Firm and Industry
- Monopoly: Characteristics, Equilibrium, Price Discrimination
- Monopolistic Competition: Characteristics, Equilibrium, Selling Costs
- Oligopoly: Characteristics, Types, Kinked Demand Curve Model

Unit - 5: Distribution

- Distribution: Meaning, types and importance
- Rent: Ricardian Theory of Rent, Marshallian Quasi Rent
- Theories of Wage: Subsistence Theory, Modern Theory
- Theories of Interest: Classical Theory, Loanable Funds Theory
- Theories of Profit: Risk and Uncertainty Theory, Innovations Theory

References:

1. Microeconomic Analysis, Bilingual Textbook, APSCHE
2. H. L. Ahuja, Advanced Economic Theory, S. Chand, 2004
3. A. Koutsoyiannis, Modern Microeconomics – Macmillan, London.
4. P. N. Chopra, Principles of Economics, Kalyani Publishers, Ludhiana, 2018.
5. Telugu Academy Publications on Microeconomics
6. Microeconomics, Dr. Br. Ambedkar Open University Material
7. Microeconomics, IGNOU Material

Semester-II Paper-IV

MATHEMATICAL METHODS FOR ECONOMICS

Course Learning Outcomes:

After studying this course, the student shall be able to achieve the following outcomes:

CO1: Explain the basics of sets, functions and their graphical representation CO2:

Learn the rules of differentiation and apply the same to economic problems

CO3: Learn and use maxima and minima to Optimization problems in economics

CO4: Apply rules of integration to estimate the size of consumers' and producers' surplus

CO5: Solve the economic problems through the application of the Matrix Theory

Syllabus

Unit 1: Sets & Functions

- Role of Mathematical Methods in Economics
- Sets: Types, Operations
- Functions: Meaning, Types, Graphical Representation, Applications in Economics.

Unit 2: Differential Calculus

- Limits of Functions; Continuity and Differentiability of a Function
- Derivative of a Function; Rules of Differentiation
- First and Second Derivatives and their Interpretations; Partial Derivatives
- Applications of Derivatives in Economics

Unit 3: Optimization Problems and their Applications

- Concept of Optimization in mathematics; Problems of Maxima and Minima
- Unconstrained & Constrained Optimization
- The Method of Lagrange Multipliers
- Some Applications of Optimization in Economics

Unit 4: Integrations and Linear Programming

- Concept of integration; Simple Rules of Integration
- Application of Integrations in Economics
- Linear Programming: Basic Concept, Formulation of Problem; Feasible, Basic and Optimal Solutions
- Applications of Liner Programming in Economics.

Unit 5: Matrices and Determinants and Applications in Economics

- Matrix: Concept, Types; Matrix Operations: Addition, Multiplication
- Determinants, Inverse of a Matrix
- Solution to the System of Simultaneous Equations, Cramer's Rule
- Some Applications of Matrix Theory in Economics

References:

Alien, R.G.D. (1974), *Mathematical Analysis for Economists*, Macmillan Press and ELBS, London.

1. Chiang, A.C. (1986), *Fundamental Methods of Mathematical Economics*, McGraw Hill, New York.
2. Yamane, Taro (1975), *Mathematics for Economists*, Prentice Hall of India New Delhi.
3. Heijdra, B.J. and V.P. Fredericck (2001), *Foundations of Modern Macroeconomics*, Oxford University Press, New Delhi.
4. Knut Sydsaeter and Peter Hammond (2008), *Mathematics for Economic Analysis*. Pearson education.
5. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, Khan Academy etc

5. MACROECONOMICS

Course Learning Outcomes:

After studying this course, the student shall be able to achieve the following outcomes:

- CO1: Explain the functioning a macro economy with its inter-linkages and measureand analyse the national income of the country**
- CO2: Analyse the Classical and Keynes theories of employment and its application incurrent Economy**
- CO3: Explain the importance of money and banking along with their functionsAnalyse RBI policies**
- CO4: Analyse causes and evaluate the measures to control inflation and trade cyclesin the economy**
- CO5: Evaluate the macroeconomic policy targets**

Syllabus

Unit - 1: Introduction to Macroeconomics and National Income

- Macroeconomics: Definition, Scope and Importance; Macroeconomic Variable: Stockand Flow
- Circular Flow of Income: Two, Three and Four Sector Models
- National Income: Definition, Concepts, Importance
- Measurement of National Income and Difficulties

Unit -2: Theories of Employment, Consumption and Investment

- Classical Theory of Employment: Assumptions, Say's Law of Market, Pigou's Wage-Price Flexibility, Classical Model, Criticism
- Consumption: Factors, Consumption Function, Keynes' Psychological Law ofConsumption
- Investment: Types, Factors, Investment Function; Marginal Efficiency of Capital,Multiplier and Accelerator
- Keynesian Theory of Employment: Assumption, Concepts and Model

Unit – 3: Money and Banking

- Money: Definition, Types, Functions; RBI classification of Money
- Theories of Money: Fisher and Cambridge
- Banking: Definition, Types, Importance, Functions; NBFCs
- Central Bank: Objectives, Functions, Monetary Policy

Unit – 4: Inflation and Trade Cycles

- Inflation: Meaning, Types, Importance, Measurement
- Causes, Consequences and Controlling of Inflation
- Inflation vs Unemployment, Phillip's Curve
- Trade Cycles: Phases, Causes and Controlling Measures

Unit -5: Financial Market and Macroeconomic Policies

- Financial Markets: Types, Instruments, Functions
- Stock Market: Functions, Indices Sensex and Nifty
- Macroeconomic Policy: Targets, Indicators and Instruments; Fiscal Policy and Crowding-Out Effect
- Neo-classical and Keynesian Synthesis: IS-LM Basic Model

References:

1. Macroeconomic Analysis, Bilingual Textbook, APSCHE
2. H. L. Ahuja, Advanced Economic Theory, S. Chand, 2004
3. P. N. Chopra, Macroeconomics, Kalyani Publishers, Ludhiana, 2014.
4. D. M. Mithani, Macro Economic Analysis and Policy, Himalaya Publications, New Delhi
5. Telugu Academy Publications on Macroeconomics
6. Macroeconomics, Dr. Br. Ambedkar Open University Material
7. Macroeconomics, IGNOU Material

Semester-III

Paper-VI

6. ECONOMIC THOUGHT AND POLITICAL ECONOMY

Course Objective: This course is to learn about the philosophy and thoughts of various economists which are the basis for the evolution of economics as a discipline.

Course Learning Outcomes:

After studying this course, the student shall be able to achieve the following outcomes:

CO1: Explain the Economic thoughts of Pre-classical, Classical and Socialist

CO2: Explain Neo-classical, Keynes and Post-Keynesian economic thoughts.

CO3: Analyse the essence of institutional and behaviourists' economic thoughts.

CO4: Evaluate the contribution of Indian economists to the evolution of economic thought.

CO5: Analyze the political economy in relation to development.

Syllabus

Unit - 1: Classical and Socialist Schools

- Pre-Classical School: Mercantilism, Physiocracy
- Classical School 1: Adam Smith, David Ricardo
- Classical School 2: Jeremy Bentham, John Stuart Mill
- Socialist School: Karl Marxs, Fabian Socialists

Unit - 2: Neo-Classical and Keynesian Schools

- Neo Classical and Marginal Revolution School: Alfred Marshall, Vilfredo Pareto
- Keynesian School: John Maynard Keynes

- New Classical School
- New Keynesian School

Unit 3: Institutional and Behaviourist Schools

- Institutional School: Gunnar Mirdal, John Rawls
- New Institutional School 1: Ronald Coase, Frederick Hayek
- New Institutional School 2: Kenneth Arrow, Elinor Ostrom & Oliver E. Williamson
- Behaviourist School: Herbert Simon, Richard Thaler

Unit 4: Indian Political Thought

- Ancient Thought: Kautilya, Goutam Buddha
- Modern Thought1: Dadabhai Nauroji, R.C.Dutt; M.N. Roy
- Modern Thought2: Gandhi, Nehru, Ambedkar
- Contemporary Thought: Amrtya Sen, Rao-Manmohan

Unit 5- Political Economy and Development

- Nexus between Politics and Economy; Basic Features of Political Economy
- Political Ideologies for Development: Economic Liberalism, Economic Nationalism, Marxism
- Role of Political Institutions for Development: Political Parties, Parliament
- Role of Non-political Institutions for Development: Bureaucracy, Regulatory Bodies, Judiciary

References:

1. Lokanathan (2018): History of Economic Thought, S.Chand & Co Ltd, New Delhi
2. Hajela, T.N: History of Economic Thought, Ane's Books Pvt Ltd., New Delhi
3. R.R. Paul: History of Economic Thought, Kalyani Publishers, New Delhi
4. Gide and Rist : History of Economic Doctrines, Digital Library of India, 2015.274711
5. Roll. E. (1973) : A history of Economic Thoughts, Father, London.
6. Ghosh B.N. And Ghosh Roma. A Short History of Economic Doctrines.
7. Lange, O., "Political Economy", Vol. 1, 1963
8. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, Khan Academy etc.

Semester-III

Paper-VII

7. DEVELOPMENT ECONOMICS

Course Learning Outcomes:

After studying this paper, the students shall be able to achieve the following outcomes:

CO1: Explain concepts of economic growth and development, measure them, identify their factors.

CO2: Analyse the developmental issues of poverty, unemployment, inequality and sustainable development and suggest measures

CO3: Comprehend the various theories of growth and development

CO4: Examine and suggest various developmental strategies suitable to developing countries

CO5: Explain the role of institutions, planning in economic development

Syllabus

Unit - 1: Introduction to Economic Growth and Development

- Economic Growth and Development: Meaning, Differences, Importance,
- Measurements of Growth and Development
- Factors and Obstacles of Economic Growth and Development;
Kuznets' Characteristics of Modern Economic Growth
- World Bank and IMF Classification of Countries based on level of Development

Unit 2: Developmental Issues

- Poverty: Meaning, Types, Causes and Solutions; Vicious Circle of Poverty
- Unemployment: Meaning, Types, Causes and Solutions
- Inequalities: Meaning, Types, Causes and Solutions
- Sustainable Development and SDGs

Unit-3: Theories of Growth and Development

- Classical Theory of Development
- Marxian Theory of Development
- Rostow's Stages of Economic Growth
- Neo-Classical Models of Economic Growth: Harrod-Domar Model, Solow Model

Unit – 4: Strategies of Economic Development

- Capitalist, Socialist and Mixed Economy Strategies
- Big Push Strategy; Balanced and Unbalanced Growth Strategies
- Mahalanobis Strategy; Export Promotion and Foreign Capital Strategy
- Endogenous Growth Strategy; Human Capital–Capability Strategy

Unit - 5: Institutions for Economic Development

- Role Institutions in Economic Development
- Basic Features of New Institutional Economics
- Economic Planning: Concept, Objectives, Role in Economic Development; Economic Federalism
- Role of International Institutions in Development: World Bank, IMF

References:

1. Ray, D. (2009), *Development Economics*, Princeton University Press.
2. Todaro M. P. and Stephen, C., Smith (2014), *Economic Development*, Pearson, 12Ed..
3. M.L. Jhingan, The Economics of Development and Planning, Vrinda Publications,
4. Hayami and Godo: Development Economics, Oxford Publication.
5. Sen, A., (1999), *Development as Freedom*, Oxford University Press.
6. Thirlwall A. P., (2005), *Growth and Development*, Palgrave Macmillan; 8th Edition.
7. Chenery, Hollis and T. N. Srinivasan, (1998), *Handbook of Development*

Economics, Elsevier.

8. Basu, Kaushik (2000), *Analytical Development Economics: The Less developed Economy: Revisited*, Oxford University Press, India.
9. Development Economics, Telugu Academy
10. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, KhanAcademy etc.

Semester-III
Paper-VIII
8. PUBLIC ECONOMICS

Course Learning Outcomes:

On successful completion of this course, the students will be able to achieve the following course learning outcomes

CO1: Explain and illustrate the basic concepts and principle of public finance

CO2: Discuss various sources of public revenue, different theories of taxation, tax systems and incidence of taxation

CO3: Analyse various principles, theories, practices of public expenditure with reference to public expenditure practices in India

CO4: Explain the concept of debt burden and its effect, budget concepts and deficits with reference to Indian economy.

CO5: Examine the importance of fiscal policy, fiscal federalism and discuss the role of finance commission with reference to India.

Syllabus

Unit 1: Introduction to Public Finance and Market Failure

- Meaning, Nature, Scope, Importance of Public Finance; Public vs Private Finance
- Principal of Maximum Social Advantage
- Types of Goods: Private, Public, Merit, Club Goods
- Problems of Market Failure, Externalities and Free Riding and Solutions.

Unit 2: Public Revenue

- Sources of Revenue: Tax and Non-tax; Cannons of Taxation
- Theories of Taxation: Socio-Political Theory, Benefit Received Theory, Ability to Pay Theory
- Tax Systems: Progressive, Proportional, Regressive; Types of Taxes: Direct and Indirect
- Incidence and Effects of Taxation; Shares of Tax and Non-Tax Revenues in India.

Unit 3: Public Expenditure

- Principles of Public Expenditure (PE); Classification and Effects of PE
- Theories of PE: Wagner's Law, Peacock-Wiseman, Colin-Clarks Critical Limit Theory
- Determinants of PE; Criteria for Public Investment
- Trends and patterns of Public Expenditure in India; Reforms in public Expenditure in India.

Unit 4: Public Debt and Budget

- Public Debt (PD): Meaning, Types, Sources; Effects and Burden of PD
- Theories of PD: Classical Theory, Barro-Ricardo Equivalence, Keynesian Approach
- Shifting and Redemption of PD; Public Debt Management in India
- Budget: Meaning, Importance, Types; Basic Concepts and Deficits in Budget
- Fiscal Discipline and Consolidation, FRBM Act; Brief Analysis of a Recent Budget in India.

Unit 5: Fiscal Policy and Fiscal Federalism

- Fiscal Policy: Meaning, Objectives and Functions
- Principles of Multi-Unit Finance; Concept of Vertical and Horizontal Fiscal Imbalances
- Fiscal Federalism in India and Constitutional Provisions
- Recent Finance Commission: Objectives and Recommendations
- Issues and Challenges of Fiscal Federalism and State Governments Finances in India.

Reference Books:

1. Musgrave, R. A. & Musgrave, P. B. (2004), *Public Finance in Theory and Practice*. Fifth edition, TATA McGraw-Hill
2. Tyagi, B.P., "Public Finance", Jai Prakash Nath Co., 1992.
3. Bhatia H.L., "Public Finance", Vikas Publishing House Pvt.Ltd., 1984.
4. Dalton, H., "Principles of Public Finance", Routledge, 1st Edition, 2009.
5. Stiglitz, J. E (2000), *Economics of the Public Sector*. W W Norton
6. Rangarajan, C. and D. K. Srivastava (2011), *Federalism and Fiscal Transfers in India*. Oxford University Press, New Delhi.
7. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, Economic Survey, SWAYM, Khan Academy etc.

Semester-IV

Paper-IX

9. INDIA AND A.P ECONOMY

Course Learning Outcomes:

After studying this paper, the students shall be able to achieve the following outcomes:

CO1: Explain the basic characteristics, structural changes, planning and human development in Indian economy

CO2: Analyse the changes in incomes, demography and the developmental issues such

as poverty, inequality, unemployment and migration and suggest measures to address them

CO3: Examine the components of agricultural and industrial sectors and their performance

CO4: Examine the issues in public finance in terms of taxes, revenues, deficits and finance commission

CO5: Analyse the issues in Andhra Pradesh economy related to agriculture, industry and welfare programs

Syllabus

Unit 1: Basic Features, Planning and Human Development in India

- Basic characteristics of Indian Economy as a developing economy
- Economic development since independence, Economic Structure and its changes in India
- Planning Commission: Objectives, major strategies and achievements; NITI Ayog its approaches to economic transformation in India
- Trends in Human Development Index in India and Measures to Improve

Unit 2: National Income, Demography and Developmental Issues

- Trends in National income; Demographic Features
- Poverty and Inequalities; Occupational Structure and Unemployment
- Various Schemes of employment generation and eradication of poverty
- Issues in Rural and Urban Development; Labour Migration: Challenges and Measures

Unit 3: Agricultural and Industrial Developments

- Indian Agriculture: Agricultural Reforms, Agricultural Strategies and Agricultural Policy
- Agricultural Credit; Agricultural Price Policy & MSP
- Indian Industry: Economic Reforms and New Industrial Policy
- Industrial Development Programs: Make-in India, Start-up, Stand-up, Industrial Corridors

Unit-4 Indian Public Finance

- Indian Tax System and Recent changes ; GST and its impact on Commerce and Industry
- Centre, States Financial relations; Recommendations of Recent Finance Commission
- Fiscal Policy: Status and Issues in Public Expenditure and Public Revenue
- Status and Issues in Public Debt and Budget Deficits; Analysis of Latest Budget

Unit- 5 Andhra Pradesh Economy

- Basic characteristics of Andhra Pradesh economy after bifurcation in 2014; Impact of bifurcation on the Economy
- Challenges in industrial Development and new initiatives
- Challenges in Agriculture and Rural Development and new Initiatives
- Social Welfare Programmes and other measures to address Issues of Poverty and Unemployment; Skill Development Initiatives

References:

1. Dhingra, I.C., Indian Economy, Sultan Chand, New Delhi, 2014.
2. Gaurav Datt and Ashwani Mahajan, Datt and Sundharam's Indian Economy, S.Chand & Co., 2016
3. G. M. Meier, Leading Issues in Economic Development, Oxford University Press, New York,

4. P. K. Dhar, Indian Economy: Its Growing Dimensions, Kalyani Publishers, Ludhiana, 2018.
5. Reserve Bank of India, Handbook of Statistics on Indian Economy (Latest).
6. S.K.Misra&V,K,Puri, Indian Economy, Himalaya Publishing House, 2015.
8. R.S.Rao,
7. A.P Economy- Telugu Academy, 2018
8. Economic Surveys

Semester-IV

Paper-X

10. STATISTICAL METHODS FOR ECONOMICS

Course Learning Outcomes:

At the end of the course, the student is expected to demonstrate the following cognitive abilities and psychomotor skills:

- CO1: Understand the nature of statistics and able to collect data using questionnaire**
CO2: Draws critical diagrams and graphs for presentation of data
CO3: Calculates and Analyses Averages and Dispersions using given data and information
CO4: Explains the uses of correlation and regression analysis, time series and index numbers in economic analysis.
CO5: Calculate index numbers

Syllabus

Unit – 1: Introduction to Statistics

- Nature and Definition of Statistics, scope, importance and limitations of Statistics
- Primary and Secondary data
- Census and Sampling techniques and their merits and demerits
- Schedule and questionnaire, Collection of data
- Applications in economics

Unit – 2: Diagrammatic Analysis

- Data: Meaning and Types; Frequency distribution
- Tabulation, Graphical presentation of data: Line graph, Histogram, Frequency Polygon, Cumulative Frequency Curves
- Diagrammatic presentation of data: Line, Bar, Pie Diagrams
- MS.Excel for Diagrammatic Analysis; Applications in economics

Unit – 3: Measures of Central Tendency and Dispersion

- Averages: Arithmetic Mean, Median, Mode, Geometric Mean, Harmonic Mean
- Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation
- MS.Excel for Measures of Central Tendency and Dispersion; Applications in economics

Unit – 4: Correlation and Regression

- Correlation: Concept, Definition and Use
- Types of Correlation: Karl Pearson's Correlation coefficient, Spearman's Rank Correlation
- Regression: Concept, Definition, Use, Regression Equations, Demand forecasting
- MS Excel for Correlation and Regression; Applications in economics

Unit – 5: Time Series and Index Numbers

- Time Series: Definition and Components; Measurement of Time Series: Moving Average and the Least Squares Method
- Index Numbers: Concepts of Price and Quantity Relatives, Laspeyer's, Paasche's and Fisher's Ideal Index Numbers
- Uses and Limitations of Index Numbers
- MS Excel for Index Numbers; Applications in economics

References:

1. B. R. Bhat, T. Srivenkataramana and K.S. MadhavaRao (1996): Statistics: A Beginner's Text, Vol. I, New Age International (P) Ltd
2. Goon A.M, Gupta M.K., Das Gupta B. (1991), Fundamentals of Statistics, Vol. I, World Press, Calcutta.
3. M. R. Spiegel(1989):Schaum's Outline of Theory and Problems in Statistics,Schaum's Outline Series.
4. S.P. Gupta, Statistical Methods , S. Chand & Co, 1985
5. Telugu Academy Book, ParimanathmakaPaddathulu (For B.A.).

Semester-IV

Paper-XI

11. INTERNATIONAL ECONOMICS

Course Learning Outcomes:

After completing the course, the student shall be able to achieve the following outcomes:

CO1: Explain the importance and concepts of international trade CO2:

Make a critical analysis of the theories of international trade CO3:

Explain changes in the methods of determining exchange rates

CO4: Analyse the effects of Trade Barriers and protectionism in International Trade.

CO5: Explain multilateralism, regionalism and India's international trade

Syllabus

Unit - 1: Introduction to Theory of International Trade

- International Trade (IT): Meaning and Importance; Gains from Trade, Free Trade vs Restricted Trade
- Offer Curves: Meaning, Properties; Trade Elasticity
- Terms of Trade (ToT): Concept, Types, Equilibrium
- Opportunity Costs in IT; Trade Multiplier

Unit - 2: Theories of International Trade

- Classical Trade Theories: Absolute Advantage Theory, Comparative Advantage theory
- Modern Trade Theories: Heckscher-Ohlin Factor Endowments Theory, Leontief Paradox, Stolper-Samuelson Theorem

- Other Trade Theories: Prebisch-Singer's Secular Deterioration Thesis, Gunnar Myrdal Trade Theory in brief

Unit - 3: Exchange Rates and BOP Mechanism

- Exchange Rates: Meaning and Types; Changes in Exchange Rates: Devaluation & Revaluation, Depreciation & Appreciation
- Factors and Determination of Exchange Rate Purchasing Power Parity
- Balance of Payments (BoP): Definition, Composition, Equilibrium and Disequilibrium
- BoP Adjustment Mechanisms; Policy Assignment Problems and Mundel Model in brief

Unit- 4: Trade Barriers and International Finance

- Trade Barriers: Tariffs, Quotas, Subsidies, Dumping & Anti-Dumping, Price Discrimination, Effects of Trade Barriers
- Optimum Tariff: Theory and Formula; Effective Rate of Protection; New Protectionism
- Role of International Finance in Trade; Role of World Bank and IMF in International Trade and Finance

Unit- 5: Multilateralism, Regionalism and India's International Trade

- Multilateralism: Concept, GATT & WTO
- Forms of Economic Cooperation: Free Trade Area, Customs Union and Common Market
- India's International Trade: Trade Volume, Composition, Direction, BoP, Forex Reserves
- India's Important Trade Agreements and New Foreign Trade Policy

References:

1. Salvatore, D., "International Economics", John Wiley, 12th Edition, 2015
2. Krugman, P., Obstfeld, M. and Melitz, M., "International Economics: Theory and Policy", Pearson Education Indian Edition, 9th Edition, 2012
3. Cherunilam. F (2016), *International Economics*, The McGraw-Hill, New Delhi
4. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, KhanAcademy etc.
5. Websites of WTO, IMF, WB, Ministry of Commerce, DPIIT, Govt of India

Semester-V

Paper-XII

12. BANKING AND FINANCIAL SERVICES

Course Learning Outcomes:

After completion of this course, students shall be able to achieve the following Outcomes:

CO1: Explain the concepts and principals of banking and financial services

CO2: Know different types of deposits and digital banking services

CO3: Understand functions of Banking Correspondents and Common Service Centres

CO4: Examine the functions and challenges of Non-Banking Financial Institutions

CO5: Identify and evaluate the role and performance of FSCs.

Syllabus

Unit1: Principles of Banking and Indian Banking System

- Meaning, Principles, Functions of Banking
- Structure of Indian Banking System, Regulations of Banking in India, Role of RBI in Banking
- Problems and Challenges of Banking in India; Anti-money Laundering
- Basics of Financial literacy

Unit 2: Deposits, Loans and Digital Banking

- Bank Account Types, Account Opening and Closing; KYC Norms
- Negotiable Instruments: Cheque, Bill of Exchange, Promissory Note, Endorsement,
- Principles of Lending, Different categories of Loans, Mortgaging
- E-Banking facilities: Debit Card, Credit Card, Net Banking, Mobile Banking, MicroATMs, Core Banking Solutions

Unit 3: Banking Correspondents and Common Service Centers

- Banking Correspondent Model
- Activities of Banking Correspondent: Deposit Mobilization, Identification of Borrowers, Collection and Recovery of Loan
- Other Banking Services: Common Services Centre (CSC), Provision of Services by CSC, Requirement for Registering CSC
- Case Study of Banking Correspondents with any Bank or CSC in Local Area

Unit 4: Financial Services of NBFIs

- Non-Banking Financial Institutions (NBFIs): Types and Major Players in India
- Important Financial Services offered by NBFIs and their Features, Problems and Challenges of NBFIs in India
- Micro Finance: Concept and Operations; Chit Funds: Concept and Operations; Payment Bank; Concept of EMI
- Regulations of NBFIs in India

Unit 5: Work with Finance Service Company (FSC)

- Types of loans by Finance Service Company (FSC)
- Customer of FSC: Types and Needs; Marketing of FSC's Loans
- Procedures and Requirements in FSC's Loan Sanction; Collection and Recovery of FSC Loans
- Case Study of a FSC's services in Local Area: loans, deposit collection, money transfer through payment banks

References:

1. Indian Institute of Banking and Finance: *Principles and Practices of Banking*, Macmillan India Limited, 2021.
<https://drive.google.com/file/d/1VU7aN4s5ikPQI7nX6mTBW-sVLQCNhfvK/view>
2. Indian Institute of Banking and Finance: *Retail Banking*, Macmillan India Limited, 2015.
3. Akhan Ali Jafor: *Non-Banking Financial Companies in India: Functioning and Practice*, New Century Publications, New Delhi, 2010.

4. RBI: “Non-Banking Financial Institutions” in *Report on Trend and Progress of Banking in India 2019-20*.
5. RBI: Discussion Paper on *Engaging Business Correspondents*.

https://www.rbi.org.in/scripts/bs_viewcontent.aspx?Id=2234

6. Govt. of India: Ministry of Electronic and Information Technology: *Digital Seva-Operational Manual for Common Service Centres*.

<https://csc.gov.in/assets/cscmanual/digitalsevaoperationalmanual.pdf>

Semester-V

Paper-XIII

13. INSURANCE SERVICES

Course Learning Outcomes:

Upon completion of this course, the students shall be able to achieve the following learning outcomes

- CO1: Explain the concept and principles of insurance service and functioning of insurance service agencies.**
- CO2: Understand different life insurance products.**
- CO3: Identify the need for general Insurance and different general insurance products.**
- CO4: Demonstrate practical skills to enable them to start insurance service agency or earn wage employment in it.**
- CO5: Evaluate the performance of local case studies by understanding customer mindset and the role of various supporting institutions under the existing regulations**

Syllabus

Unit 1: Insurance Concept and Principles

- Concept of Risk and Uncertainty, Risk Classification
- Insurance: Concept, Importance and Types
- Principles of Insurance
- Insurance Regulations in India, Role of IRDA; Scope for Insurance Business in India

Unit 2: Life Insurance and Products

- Life Insurance: Nature and Features
- Major Life Insurance Companies in India
- Important Life Insurance Products/policies and their Features: Conventional, Unit Linked, Annuities, Group Policies, Micro Insurance

Unit 3: General and Health Insurances and Products

- General Insurance: Nature, Features and Types
- Major General Insurance Companies in India; Important General Insurance Products/Policies and their Features; Role of Surveyor
- Health Insurance: Nature and Features; Role of Medical Examiner in issuing Insurance policy
- Health Insurance Companies in India; Major Health Insurance Products/policies and their Features: Individual, Family, Group

Unit 4: Practicing as an Insurant Agent

- Insurance Contract and Terms of Insurance Policy

- Registration of Insurance Agent/Agency with the Company
- Procedure to issue a Policy: Application and Acceptance; Policy Lapse and Revival; Premium Payment, Assignment, Nomination and Surrender of Policy, Policy Claim
- Important Websites and Apps of Insurance in India

Unit 5: Understanding the Customer and Case Studies

- Insurance Customer and Categories
- Understanding Customer Mindset and Satisfaction
- Addressing the Grievances of the Customer, Ethical Behavior in Insurance, Moral Hazard
- Discussion of two different Case Studies related to Life or General or Health Insurance Services

References:

1. Insurance Institute of India: *Principles of Insurance (IC-01)*, Mumbai, 2011.
2. Insurance Institute of India: *Practice of Life Insurance (IC-02)*, Mumbai, 2011.
3. Insurance Institute of India: *Practice of General Insurance (IC-11)*, Mumbai, 2011
4. G. Dionne and S.E. Harrington (Eds.): *Foundations of Insurance Economics*, Kluwer Academic Publishers, Boston, 1997.
5. <https://www.irdai.gov.in>

Semester-V

Paper-XIVA

(Skill Enhancement Course)

14 A. URBAN ENTREPRENEURSHIP

Course Learning Outcomes:

Upon completion of this course, students shall be able to achieve the following outcomes:

CO1: Explain the basic theories and essentials of entrepreneurship

CO2: Apply the theories of entrepreneurship to the conditions of local urban area and formulate appropriate business ideas.

CO3: Identify and analyze the entrepreneurship opportunities available in local urban area

CO4: Demonstrate practical skills that will enable them to identify various funding sources

CO5: Identify and evaluate the performance of local case studies by understanding the role

of various supporting institutions under the existing regulations

Syllabus

Unit-1: Entrepreneurship: Concept and Theories

- Concept and Importance of Entrepreneurship
- Theories of Entrepreneurship: Innovations, X-Efficiency, Risk Bearing
- Women Entrepreneurship
- ECOPRENEURSHIP.

Unit-2: Urban Entrepreneurship and Business Planning

- Urban Entrepreneurial Ecosystem: Factors, Problems and Challenges
- Process of Identification of new Entrepreneurship Opportunities in Urban Areas
- Formulation of Business Planning for Urban Entrepreneurship.
- Case studies

Unit 3: MSMEs and new Urban Entrepreneurship Opportunities

- Features of Micro Small Medium Enterprises (MSMEs)
- Cluster Development Approach and Leveraging Technology for MSMEs
- Problems and Challenges of MSMEs
- New Entrepreneurial Opportunities in Urban Area: Food and Beverages, Sanitary and Health Products, Solid Waste and Scrap Disposal, Tourism and Hospitality Services, Consultancy Services and Event Management, Logistic services

Unit- 4: Financing and Marketing of Urban Entrepreneurship

- Financing the Urban Entrepreneurship and MSMEs: Procedures to obtain formal loans from Banks and other Institutions
- New avenues of Finance: Crowd Funding and Venture Capital; Preparing Detailed Project Report for Loan
- Marketing of Urban Entrepreneurship and MSMEs products: Market Survey, Demand Forecasting, Marketing Strategies, Branding, Planning and Promotion, Digital and Social Media Marketing
- Public Procurement Policy to purchase MSME Products

Unit 5: Institutional Support and Case Studies of Urban Entrepreneurship

- Institutional support and skills for Urban Entrepreneurship and MSMEs
- Government Schemes for promotion of Urban Entrepreneurship and MSMEs: STARTUP INDIA, STANDUP INDIA, PMKVY, PLI etc.
- Rules and Procedures to start Urban Entrepreneurship Firm and MSME
- Discussion of two different types of Case Studies related to Urban Entrepreneurship/MSME with local relevance.

References:

1. Gordona, E and N. Natarajan: *Entrepreneurship Development*, Himalaya Publishing House Pvt Ltd, Mumbai, 2017.
2. Sharma Sudhir, Singh Balraj, Singhal Sandeep, *Entrepreneurship Development*, Wisdom Publications, Delhi, 2005.
3. NITI Aayog: *Report of Expert Committee on Innovation and Entrepreneurship*, New Delhi, 2015. https://niti.gov.in/writereaddata/files/new_initiatives/report-of-the-expert-committee.pdf
4. Reserve Bank of India: *Report of Expert Committee on Marginal, Small, Medium Enterprises*, Mumbai, 2019. <https://www.rbi.org.in/Scripts/PublicationReportDetails.aspx?UrlPage=&ID=924>
5. <https://nimsme.org>

Semester-V
Paper-XIVB

(Skill Enhancement Course)

14 B. RETAIL AND DIGITAL MARKETING

Course Objective: This course is aimed to give a complete view of the retail marketing and a comprehensive examination of the retail environment in both physical and digital arena.

Course Learning Outcomes:

Upon completion of this course, the students shall be able to achieve the following outcomes:

CO1: Explain the concepts and principles about the retail and digital marketing

CO2: Identify and analyse the opportunities related to retail and digital marketing available in the local area

CO3: Examine the strategies in retail marketing

CO4: Demonstrate the practical skills in applying digital marketing strategies

CO5: Evaluate different marketing models

Syllabus

Unit- 1: Concept Of Marketing

- Marketing: Concept and Types; Marketing Mix; Marketing Strategies
- Marketing Segmentation; Marketing Organizations; Marketing Research
- Pricing Policies and Practices
- Major Players in Retail and Digital Market in India

Unit- 2: Understanding Product and Consumer

- Product Marketing Types; Product Decisions and Strategies
- Product Life Cycle; Factors of Consumer Behaviour
- Understanding Indian Consumer, Strategies of persuading the Consumer
- Sale Promotion: Advertisement, Branding and Packaging

Unit- 3: Retail Marketing

- Concept and Types of Retail Marketing
Big and Small Retail Markets, Retail Marketing Mix
- Retail Marketing Strategies; Essentials of Successful Retail Marketing
Multichannel Retailing
- Store Management
- Shopping Market Dynamics

Unit -4: Digital Marketing

- Digital Marketing: Concept and Types: Telemarketing, Online or e-tailing; Essentials of Digital Marketing
- Difference between Physical Retail and Digital Marketing; Digital Marketing Channels
- Major players in Digital Marketing and their Marketing Strategies; Customer Behaviour in Digital Marketing

- Tools and Apps of Digital Marketing.

Unit- 5: Marketing Models and Case Studies

- Marketing Models of Retail and Digital Market Companies/Shops: Global, National and Local levels
- Discussion of two different types of Case Studies related to physical Retail Marketing.
- Discussion of two different types of Case Studies related to Digital Marketing

References:

1. Venkatesh Ganapathy: *Modern Day Retail Marketing Management*, Bookboon Company, 2017. <https://mmimert.edu.in/images/books/modern-day-retail-marketing-management.pdf>
2. Prashant Chaudary: *Retail Marketing in the Modern Age*, Sage Publication, 2019
3. Jermy Kagan and Siddarth Shekar Singh: *Digital Marketing & Tactics*, Wiley Publishers, 2020.
4. Digitalmarketer: The Ultimate Guide to Digital Marketing. <https://www.digitalmarketer.com/digital-marketing/assets/pdf/ultimate-guide-to-digital-marketing.pdf>
5. NITI Aayog: *Connected Commerce: Creating a Roadmap for Digitally Inclusive Bharat, 2021*. <https://niti.gov.in/writereaddata/files/Connected-Commerce-Full-Report.pdf>

Semester-V

Paper-XVA

(Skill Enhancement Course)

15 A. INFERENCE STATISTICS AND SOFTWARE PACKAGES

Course Objective: This course provides theoretical knowledge and practical skills about various inferential statistics such as probabilities, test of significance, multiple regression and also skill for using software like MS Excel and SPSS for data analysis.

Course Learning Outcomes: Upon completion of this course, students shall be able to achieve the following outcomes:

CO1: Interpret the concept and theory of probability

CO2: Analyse and apply the different probability distributions

CO3: Learn and Demonstrate the skills on various tests of significance

CO4: Learn and use of multiple regression model in economics

CO5: Use Excel sheets and SPSS package to analyse the data and derive the results

Syllabus

Unit 1: Concept and Theories of Probability

- Concept and Definitions of Probability: Classical or Mathematical and Empirical or Statistical Axiomatic Approach to Probability
- Theorems of Probability: Addition and Multiplication (without proofs).

Unit 2: Theoretical Probability Distributions

- Binomial Distribution: Constants (without proof) and Properties and Applications
- Poisson Distribution: Constants (without proof) and Properties and Applications
- Normal Distribution: Constants (without proof) and Properties and Applications
- Standard Normal Distribution, Standard Normal Curve and their Applications

Unit 3: Test of Significance - Large and Small Sample Tests

- Steps involved in Testing of Hypotheses; Testing the difference between Means and Proportions
- Large Sample or Z-Test, Small Sample Tests, Difference between them
- Applications of Student's t-test, χ^2 test, F-test
- One way and Two way ANOVA

Unit 4: Linear Multiple Regression Model

- Three Variable Linear Multiple Regression Model: Notation, Assumptions
- Estimation of Partial Regression Coefficients – Interpretation of Regression coefficients
- Testing the coefficients: t-test, p- value
- Coefficient of Determination: R^2 and adjusted R^2

Unit 5: Excel and SPSS for Data Analysis

- Excel: Worksheet, Creating Tables, Graphs and Charts
- Mathematical and Statistical Functions in Excel and Data Analysis Pack: Descriptive Statistics, Correlation and Regression
- SPSS: Introduction, Opening Excel files in SPSS, Analysis Tools: Descriptive Statistics
- Estimation of Regression Coefficients using SPSS and their interpretation.

References

1. S. C. Gupta: Fundamentals of Statistics, Himalaya Publishing House, Bombay, 1982.
2. S. P. Gupta: *Statistical Methods*, S. Chand & Company, New Delhi, 2000.
3. K. V. S. Sharma : *Statistics Made Simple: Do it yourself on PC, (Second edn.)* PrenticeHall of India, New Delhi, 2010.
4. తెలంగాణ అకాడమీ ప్రిచురణ “రరిమాణాత్మ కరదధతాల”
5. B. N. Gupta: *Statistics Theory and Practice*, SahityaBhavan, Agra, 1992.
6. Goon A.M., M. K. Gupta and B. Dasgupta: *Fundamentals of Statistics*, Vol.1, The WorldPress, Ltd, Calcutta, 1975.
7. Nagar, A.L. and R. K. Das: *Basic Statistics*, Oxford University Press, New Delhi, 1996.
8. D N Elhance, VeenaElhance & B M Aggarwal *Foundation of Statistics*, KitabMahal, NewDelhi, 2018.
9. Relevant web resources suggested by the teacher and college librarian.

Semester-V

Paper-XVB

(Skill Enhancement Course)

15 B. PROJECT DESIGNING AND REPORT WRITING

Course Learning Outcomes:

Upon completion of this course Student shall be able to achieve the following outcomes:

CO1: Demonstrate the knowledge relating to research, its role in enhancement of knowledge in social sciences in general and economics in particular

CO2: Analyse and apply different research methods

CO3: Formulate a good research design to undertake mini research projects

CO4: Undertake a field survey by himself/herself to collect relevant data and information

CO5: Develop capacity to write a simple project report with all relevant components

Syllabus

Unit 1: Foundations of Research

- Meaning and Importance of Research
- Scientific and Social Science Research
- Methods of ensuring Objectivity in Social Science Research
- Limitations of Research in Social Science, Ethics in Research

Unit 2: Methods of Research

- Exploratory and Descriptive Research
- Action Research, Analytical Research
- Evaluation Research, Experimental Research
- Case Study Research, Observational Research
- Participatory Research, Ethnography Research

Unit 3: Planning of Research Project

- Research Problem: Process and Criteria for Selecting a Research Problem
- Review of Theoretical and Related Research Studies
- Choice of Data for Research: Secondary and Primary Data; Census and Sample Data
- Preparation of a Research Proposal; Components of a good Research Proposal.

Unit 4: Implementation of a Research Project

- Choice of Schedules and Questionnaire, Pilot Study Field Work and Collection of Data;
- Methods of Qualitative Data collection: Interviews, Observation, Participation
- Group Discussions/Interviews, Projective Techniques
- Editing Data; Graphical and Statistical Analysis of Data using Appropriate Statistical Techniques.

Unit 5: Report Writing

- Types of Research Report; Nature of Language used in Research Report
- Outlines of a good Research Report; Prefatory Items, Body of the Report, References, Bibliography, Appendices
- Ethical values in Research Report, Plagiarism Test
- Components of a good Research Paper

References:

1. C. T. Kurien: *A Guide to Research in Economics*, Sangam Publishers for Madras Institute of Development Studies, Chennai, 1973.
2. O. R. Krishnaswami and M. Ranganatham: *Methodology of Research in Social Sciences*, Himalaya Publishing House, Mumbai, 2018.
3. C. R. Kothari: *Research Methodology: Methods and Techniques*, New Age International (Pvt.) Ltd. Publishers, New Delhi, 2004.

4. K. V. S. Sharma :*Statistics Made Simple: Do it yourself on PC*, (Second edn.)Prentice Hall of India, New Delhi, 2010.
5. John W. Creswell and J. David Creswell :*Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*, Sage Publications, New Delhi, 2018.
6. Shanti Bhushan Mishra and ShashiAlok,*Handbook of Research Methodology*,Educreation, Bilaspur, 2017.
7. Wayne C. Booth, Gregory G. Colomb, and Joseph M. Williams: *The Craft of Research*, University of Chicago Press, Chicago, 2016.
8. Relevant web resources suggested by the teacher and college librarian.

Semester-VII

Paper-7.1

7.1. ADVANCED MICROECONOMIC ANALYSIS

Course Learning Outcomes:

Upon completion of this course, student shall be able to achieve the following outcomes:

CO1: Explain advanced concepts and theories related to consumer behavior , Indifference Curves , risk and uncertainty

CO2: Analyse advanced concepts and theories of production and distinguish between different production functions

CO3: Explain different collusive and non-collusive market models.

CO4: Examine advanced concepts and theories related to distribution

CO5: Analyse various concepts and theories of equilibrium and welfare.

Syllabus

Unit 1: Consumers Behaviour

- Utility Functions: Direct and Indirect
- Indifference Curves Analysis: Income and substitution effects, Slutsky Theorem, Hicksian Compensated Demand Curve
- Revealed Preference Theory
- Risk and Inter-temporal choice; Decision making under uncertainty: Expected Utility Theory and Prospective Utility Theory in brief

Unit 2: Production

- Production Functions: Cobb-Douglas, CES, Leontief and VES production functions
- Isoquants, Ridge Lines, Isocosts , Least cost combination of inputs
- Technological Progress and the Production function
- Modern Theory of Costs: Saucer shaped , L-shaped and Inverted 'J' shaped cost curves, ; Multi-production firm.

Unit 3: Market

- Non-collusive Oligopoly Market Models: Cournot Model, Chamberlin Models
- Collusive Oligopoly Market Models: Cartels, Mergers, Price Leadership
- Basic Game Theory: Prisoners Dilemma and Non-Cooperative Games
- Managerial Firm Model: Baumol's Sales Revenue Maximization and Marris' Growth Maximization

Unit 4: Distribution

- Pricing of Factors under Perfect Competition Market

- Pricing of Factors under Imperfect Competition Market
- Euler's Theorem and Product Exhaustion Problem; Hicks-Samuelson Solution to Product Exhaustion Problem in brief
- Pricing of Fixed Factors; Backward Bending Labour Supply Curve, Efficiency Wage Model.

Unit 5: General Equilibrium and Welfare Economics

- Concepts of Partial and General Equilibriums; Pareto Optimality; Market Failures and Externalities
- Fundamental Theorem of Welfare: Social Welfare Function, Kaldor-Hicks Compensation Principle
- Theory of Second Best: Arrow's Impossibility Theorem in brief
- Adverse Selection and Moral Hazard.

References:

1. Sen, A. (1999), *Microeconomics: Theory and Applications*, Oxford University Press, New Delhi. Stigler, G. (1996), *Theory of Price*, (4th Edition), Prentice hall of India, New Delhi.
2. Varian, H. (2000), *Microeconomic Analysis*, W.W. Norton, New York.
3. Mohan, H. (2000), *Microeconomic Analysis*, W. W. Norton, New York.
4. Koutsoyiannis, A. (1979), *Modern Microeconomics*, Macmillan, New Delhi.
5. H.L Ahuja: *Principles of Microeconomics*, S.Chand Publication, New Delhi
6. C. Snyder and W. Nicholson (2010) *Fundamentals of Microeconomics*, Cengage Learning (India), 2010.
7. B. Douglas Bernheim and Michael D. Whinston. (2009) *Microeconomics*, Tata McGraw Hill (India),
8. Open-Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, Khan Academy etc.

Semester-VII

Paper-7.1

7.1 . ADVANCED MACROECONOMIC ANALYSIS

Course Learning Outcomes:

Upon completion of this course, the student shall be able to achieve the following outcomes:

- CO1: Compare and contrast different macroeconomic models, consumption theories and explain their significance.**
- CO2: Explain various theories of investment and interrelation between inflation interest and investment.**
- CO3: Analyse different post-Keynesian approaches to demand for money**
- CO4: Critically examine the Neo-classical and Keynesian Synthesis**
- CO5: Evaluate the Macroeconomic Crises and related Policy Issues.**

Syllabus

Unit-1: Macro Economy Models and Consumption

- Micro-foundations of Macroeconomics
- Classical vs Keynesians; New-Classical Theory and New-Keynesians Theory

- Kuznets 's Consumption Puzzle
- Consumption Expenditure Models: Fisher 's Theory of Optimal Inter-temporal Choice, Rational Expectations and Random-walk

Unit-2: Investment

- Theories of Investment: Neo-classical Theory, Keynes Theory, Tobin's 'Q' Theory Finance
- Cost of Capital: Concept, Importance and Components
- Interrelations between Inflation, Interest Rate and Investment
- Policies affecting Investment.

Unit-3: Money and Inflation

- Post-Keynesian approaches to Demand for Money: Patinkin's Real Balance Effect, Baumol Inventory Model, Tobin's Speculative Model, Friedman's Modern Quantity Theory in brief
- Inflation-Unemployment Debate: Theory of Adaptive Expectations, Expectation-Augmented Phillip's Curve, Rational Expectation Model in brief
- Monetary Policy: Objectives, Instruments and Applications
- Lucas' Supply Function; Policy Ineffective Theorem and Lucas' Critique.

Unit-4: Neo-classical and Keynesian Synthesis: IS-LM

- Neo-classical and Keynesian views on Determination and Effects of Interest Rates
- Neo-classical and Keynesian Synthesis: IS-LM Basic Model
- Extension of IS-LM model with government sector, models with labour market and flexible prices
- Fiscal and Monetary Policy in IS-LM Model; Fiscal Policy and Crowding out Effect.

Unit-5: Macroeconomic Policy and Crises

- Macroeconomic Policy: Issues, Target Indicators and Instruments
- Important Macroeconomic Policies: Gradualism vs Shock Therapy Economic Policy, Seingorage Policy and Barro-Ricardo Hypothesis Political Economy of Stabilisation and Adjustment
- Analysis of Economic Crises and Solutions: East Asian Crisis, Global Financial Crises, Sovereign Debt Crisis, Bank Failures, COVID-19 Crisis.

References:

1. D'souza Errol, *Macroeconomics*. Person Publication, New Delhi, 2008.
2. David Romer, *Advanced Macroeconomics. 4th edition*, McGraw-Hill Irwin, 2012.
3. Brian Snowdon and Howard R. Vane, *Modern Macroeconomics: It's Origins, Development and Current State*. Edward Elgar, UK, 2005.
4. Mankiw, N. Gregory, *Principals of Macroeconomics*. Seventh edition, Cengage Learning, 2014.
5. Richard T Froyen, *Macroeconomics - Theories and Policies*, Pearson 2013
6. H.L Ahuja : *Macroeconomics: Theory and Policy Advanced Analysis*, S Chand Publication, New Delhi
7. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, KhanAcademy etc.

7.2. ENVIRONMENTAL ECONOMICS

Course Learning Outcomes:

Upon completion of this course, the student shall be able to achieve the following outcomes:

CO1: Understand the interconnections between the environment and the economy.

CO2: Explain various environmental issues in global and Indian context.

CO3: Examine the theories that solve the problem of externalities and market failure and ensure optimality in resource allocation

CO4: Use various methods of environmental valuation

CO5: Evaluate policy framework techniques to real-world environmental problem

Syllabus

Unit 1: Introduction to Environmental Economics:

- Environmental Economics: Definition, Scope and Importance
- Basic Concepts: Nature, Ecology and Environment; Various Environmental Problems
- Environment and Economy linkage; Sustainable Development
- Historical Perspectives of Environmental Economics: Classical, Neo-classical and Modern

Unit 2: Environmental Issues: Global and Indian Context

- Brief review of Literature on Environmental Issues: Silent spring, Limits to Growth
- Environmental Kuznets Curve
- Trade and Environment: Pollution Heavens, Exporting the Pollution
- Environmental Issues in Indian Context

Unit 3: Market Failure and Management of Common Resources

- Pareto Optimality and Market Failures; Externalities
- Types of goods: Public, Private, Club and Common Resources; Tragedy of Commons
- Coase Theorem and Property Rights
- Governing the commons: Production and Management of Common Pool/Property Resources

Unit 4: Environmental Valuation

- Value of Environment: Concept and Types
- Cost Benefit Analysis in Environment Valuation
- Total Economic Valuation Framework; Green Audit
- Techniques of Valuation: Contingent Valuation, Travel Cost Approach, Hedonic Pricing, Replacement Cost method, Benefit Transfer.

Unit 5: Environmental Regulation and Policy measures

- Environmental Protection Instruments: Environmental Ethics & Moral Suasion, Property Rights and Liability Laws
- Environmental Regulations: Direct Command and Control, Market based Regulation, Pigouvian Tax, Subsidies, Tradable Permits like Quotas & Carbon

Trading

- International Treaties on Climate Change: Kyoto Protocol and Paris Agreement in brief; UNFCCC Global Action Plan on Climate Change.
- Environmental Laws and Regulatory Bodies in India; National Action Plan on Climate Change (NAPCC) in India

Reference Books

1. M. Karpagam (2000), *Environmental Economics*, Sterling Publisher Pvt.Ltd. New Delhi.
2. Bromley, D. W. (Ed.), "Handbook of Environmental Economics", Blackwell, 1995.
3. Kolstad, C. D., "Intermediate Environmental Economics", Oxford University Press, 2010.
4. Stern, N., "The Economics of Climate Change: The Stern Review", CUP, 1st Edition, 2007.
5. Charles D. Kolstad (2000), *Environmental Economics*, Oxford University Press, New York.
6. U. Shankar (2000), *Environmental Economics*, Oxford University Press, New Delhi.
7. Hanley, Nick, Shogren, Jason, White, Ben (2007): *Environmental Economics in Theory & Practice*, Pearson.
8. IPCC, "Climate Change 2014: Synthesis Report", IPCC, 2014.
9. Documentary (2017) "**Before the Flood**" by National Geographic, starring Leonardo DiCaprio
10. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, Economic Surveys, SWAYM, Khan Academy etc.
11. Websites of UNFCCC, Ministry of Environment, Govt of India, Environment Regulatory Bodies

Semester-VII Paper-7.2

7.2. AGRICULTURAL ECONOMICS

Course Learning Outcomes:

On successful completion of the course, the student is expected to perform the following:

- CO1: Explain the importance of agriculture in India's economic development with discriminating focus on sub and allied sectors.**
- CO2: Discuss issues of productivity, production, crop diversification and sustainability in Indian agriculture**
- CO3: Examine the adequacy of credit and marketing infrastructure in Indian agriculture and suggest improvements**
- CO4: Justify the need for reforms in agricultural marketing and judge the recent initiatives taken**
- CO5: Evaluate the national agricultural policy and various programmes for development of agriculture in India**

Syllabus

Unit-1: Introduction to Agricultural Economics

- Agricultural Economics: Meaning, Nature and Scope
- Role of Agriculture in Economic Development; Interdependence between Agriculture and Non-Agricultural Sectors
- Agricultural Sub-sectors: Crop Sector & Allied Sectors and their Growing Importance

- Farming Types; Brief Discussion on Emerging Issues of Agricultural Development in India

Unit -2: Agricultural Production in India

- Production Function Analysis in Agriculture & Supply Response
- Agricultural Inputs & Resource Use Efficiency in Agriculture
- Production, Productivity & Growth of Agriculture and Allied Sectors in India; Crop Diversification and Its Importance
- Prospects for Sustainable Agriculture: Organic Farming, ZBNF, Precision Farming

Unit -3: Agricultural Credit & Marketing in India

- Agricultural Credit: Types, Problems
- Agricultural Credit Institutions: Role of NABARD in Agricultural Development
- Agricultural Marketing in India: Types & Problems; APMCs; Cooperative Marketing; NAFED & MARKFED
- Emerging Trends in Agricultural Marketing: Aggregators, e-NAM, online platforms, Super Bazar

Unit -4: Agrarian Reforms and New Initiatives in India

- Land Reforms; Green Revolution I, Green Revolution II
- Rainbow Revolution: Green, White, Blue, Yellow, Golden, Silver, Brown, Pink, Grey in brief
- Marketing Reforms: APMCs, e-NAM, Rythu Bazar; Extension Services Reforms;
- Agribusiness; Cooperatives and FPOs.

Unit -5: Agricultural Policy and Programmes, Schemes in India

- National Agricultural Policy; Agricultural Price Policy & MSP
- Programmes and Schemes for Agricultural Development: Public Investment (RKVY, RAFTAAR), Personal Investment DBT: PM KISAN & Rythu Bharosa in AP)
- Programmes and Schemes for Sustainable Agriculture: (PKVY), Irrigation (PMKSY),
- Programmes and Schemes for Crop Insurance: (PMFBY), Soil Health, Extension Services (ACABC, RBKs in AP)

REFERENCES:

1. Sadhu A. Singh Amarjit and Jasbir Singh (2014): Fundamentals of Agricultural Economics, Himalaya Publishing House, Delhi.
2. Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi
3. Lekhi R.K & Joginder Singh: Agricultural Economics, An Indian Perspective, Kalyani Publishers, New Delhi
4. OpenSource Online Materials & Videos: IGNOU, e-PG Pathasala, Economic Surveys, SWAYM, Khan Academy etc.
5. Websites: Ministry of Agriculture and Farmers Welfare, Govt. of India; Department of Agriculture, Govt. of A.P

7.3. INDUSTRIAL AND INFRASTRUCTURAL ECONOMICS

Course Learning Outcomes:

After completing the course, the student shall be able to achieve the following outcomes:

CO1: Explain the profile of Indian industry in terms of the growth and modernisation

CO2: Explain the various theories of industrial location, and labour

CO3: Analyse the nature and implications of Investment, product pricing, Finance and Policies in Indian industry

CO4: Examine recent trends in infrastructural development and evaluate their impact on rapid economic development

CO5: Discuss infrastructural financing models and government policies
Syllabus

Unit-1: Industry and Economic Development

- Factors of Industrialization; Strategies of Industrialization in Developing Countries
- Theory of the Firm: Objectives, Size, Growth of the Firm; Optimum Firm, Factors Determining Optimum Firm
- Forms of Industrial Organization; MSMEs
- Role of Modern Technology in Industrial Development and Industry 4.0 & 5.0.

Unit-2: Theories of Industrial Location and Industrial Labour

- Theories of Industrial Location: Weber and Sargent Florence
- Factors of Industrial Investment
- Industrial Concentration and Measures to Control
- Problems of Industrial Labour, Labour Reforms and New Labour Codes & Implications in India

Unit -3: Industrial Pricing, Finance, Policies & Programmes

- Cost Curves ('U' and 'L' Shape) of Industry and Implications
- New Pricing Strategies of Industry
- Industrial Finance: Types, Sources; Industrial Financial Institutions in India
- New Industrial Policy; National Manufacture Sector Policy in India; Government Programmes for Industrial Development in India

Unit-4: Infrastructure Development: Concept and Models

- Concept of Infrastructure; Types of Infrastructure: Economic, Social and Digital
- Infrastructure and Economic Development
- Infrastructure as a Public Good; Special Characteristics of Public Utilities
- Models of Infrastructure Development: SOC and DPA.

Unit -5 Infrastructural Finance, Policies & Programs

- Infrastructural Finance: Types, Sources and Problems
- PPP Model of Infrastructural Financing: Concept, Importance, Types and Challenges; Special Purpose Vehicle (SPV) Model

- Infrastructural Policies and Programs in India
- Two Case Studies of Best Successful Infrastructural Developmental Projects in India

References:

1. Barthwal, R.R., *Industrial Economics*, Newage International Publishers., New Delhi.
2. Rojer Clarke, *Industrial Economics*, Oxford Publishers
3. Cherunilam, F.(1994), *Industrial Economics*, Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
4. Economic Surveys
5. Websites of Concern Ministries and Institutions

Semester-VII

Paper-7.3

7.3. ECONOMICS OF EDUCATION AND HEALTH

Course Learning Outcomes:

Upon completion of this course, the student shall be able to achieve the following outcomes:

CO1: Examine the role of social sector in economic development

CO2: Evaluate the role of education in economic development

CO3: Understand role of health in economic development

CO4: Analyse issues in health and education sectors in India

CO5: Evaluate the government policies for the development of health and education

Syllabus

Unit -1 Social Sector and Economic Development

- Social Sector: Meaning and Components
- Social Sector and Economic Development; Human Capital Theory, Social Overhead Capital, Capability Approach
- Development of Social Sector Pre-Condition for Economic Reforms; East Asian Model
- Market Failure and Role of the State in Providing Social goods: Public and Merit Goods; Importance of Health and Education in Human Development and HDI

Unit -2 Economics of Education

- Status of Education in India: Literacy Rates, Gross Enrolment Ratios, ASER
- Cost-Benefit Analysis in Education: Private, Social Costs; Direct and Indirect Costs and Benefits; Rates of Return on Investment in Education
- Education and Labour Market; Signalling Theory

Unit -3 Economics of Health

- Status of Health: Indicators and Measurements
- Demand for Healthcare Services, Supply of Healthcare Services
- Measurement of Health Benefits

- Financing Health Care

Unit -4: Issues in Education and Health in India

- Inequalities in Access to Education and Measures to control
- Resource and Funding problems in Education and Measures; Learning Crisis and Skill Gap in Education and Measures
- Inequalities in Access to Health Services and Measures to control
- Problems of Infrastructure, Out of Pocket Expenditure, Health Insurance, Health Care Delivery and Measures

Unit – 5: Government Policy and Schemes for Social Sector Development

- Expenditure on Social Sector as Percentage of GDP in India.
- National Education Policy 2020 (NEP 2020): Salient Features and Evaluation
- National Health Policy 2017: Salient Features and Evaluation
- Government programmes and Schemes for Social Sector Development

References:

1. Becker, G. S. (2007). 'Health as Human Capital: Synthesis and Extensions' Oxford Economic Papers 59: 379-410, OUP
2. Theodore W. Schultz (1961), Investment in Human Capital the American Economic Review
3. Haldar, S.K., (2008). 'Effect of Health-Human Capital Expenditure on Economic Growth in India: A State-Level Analysis', Asia-Pacific Social Science Review, 8 (2), 79-97.
4. United Nations Development Programme, (2022). Human Development Report, Oxford University Press, New York.
5. Sen Amartya, "Development as Capability Expansion," in L. Griffin & J. Knight(eds), Human Development and the International Development Strategy for the 1990s,London: Macmillan, 1990.
6. Economic Survey 2022-23, Government of India, Ministry of Finance
7. Socio Economic Survey 2022-23
8. IGNOU material on Economics of Health and Education.

Semester-VII

Paper-7.4

(Skill Enhancement Course)

7.4. BASIC ECONOMETRICS

Learning Outcomes:

Upon completion of this course, the student shall be able to achieve the following outcomes:

CO1: Understand the fundamental Principles of Econometrics

CO2: Apply essential Statistical tools for data analysis in Economics

CO3: Design/formulate Simple Linear Regression Model

CO4: Contrast Two variable Linear Regression Model with Multiple Linear Regression Model

CO5: Investigate the remedies in case Violations of Classical Assumptions

Syllabus

Unit 1: Econometric Model Properties

- Econometrics: Definition, Scope and Methodology
- Mathematical Model vs. Econometric Model: Specification
- Nature and Sources of Data for Econometric analysis: Time Series & Cross Section, Pooled & Panel Data
- Nature of Regression Analysis; Concept of Stochastic Variable

Unit 2: Statistical Concepts for Econometrics

- Types of distribution: Normal, Binomial and Poisson
- Estimation of Parameters; Properties of Good Estimator
- Testing of Hypotheses: Null and Alternative Hypotheses; Type I and Type II Errors, Power of a Test
- Tests of Significance: t, F, Chi-square Distributions and ANOVA.

Unit 3: Simple Linear Regression Model

- Simple Linear Regression Model: Two Variable Case and Assumptions, PRF and SRF
- Properties of OLS estimators (BLUE) : Gauss-Markov Theorem ; Goodness of fit: (r^2)
- Estimation by Method of Ordinary Least Squares (OLS)
- One Tail and Two Tail Tests: Confidence Intervals and Interpretation of Regression Results.

Unit 4: Multiple Linear Regression Model

- Multiple Linear Regression Model: Three Variable Case; estimation and Properties
- Partial Regression Coefficients; Goodness of Fit (R^2) and Adjusted R^2
- Interpretation of Regression Results

Unit- 5: Violations of Classical Assumptions

- Multicollinearity: Consequences, Detection and Remedies
- Heteroscedasticity: Consequences, Detection and Remedies
- Serial (Auto) correlation: Consequences, Detection and Remedies
- Running Regression model in Excel or SPSS Software and Interpretation.

References:

1. Damodar, N Gujarati, Dawn C Porter and Sangeetha Gunasekar (2017), *Basic Econometrics*, Tata McGraw-Hills. New Delhi.
2. J. M. Wooldridge (2013) , *Introductory Econometrics: A Modern Approach* , Fifth Edition, Cengage Learning,
3. G.M.K. Madnani (2017), *Introduction to Econometrics: Principles and Applications*,

Oxford & Ibh Publishing, New Delhi

4. Koutsoyiannis, A, (2001), *Theory of Econometrics*, Palgrave Macmillan, New Delhi.
5. J. Johnston (1996), *Econometric Methods*, McGraw Hill Education, New Delhi.
6. Sarma K.V.S. (2010), *Statistics Made Simple Do it Yourself on PC* , PHI, New Delhi.
7. Kennedy P, (2008), *A Guide to Econometrics*, Wiley and Blackwell.
8. Roberto Pedace ,(2013) , *Econometrics For Dummies*, John Wiley & Sons Inc
9. [Dominick Salvatore](#) and [Derrick Reagle](#) (2001) *Schaum's Outline of Statistics and Econometrics* , Schaum's Outlines

Semester-VII
Paper-7.4
(Skill Enhancement Course)

7.4 COMPUTER APPLICATIONS FOR ECONOMIC ANALYSIS

Course Learning Outcomes:

Upon completion of this course, the student shall be able to achieve the following outcomes:

CO1: Develop skills in extracting, cleaning and preparing data for analysis

CO2: Know Basic Software programs for economic analysis

CO3: Build skills in visualizing data using graphs and charts/ interpreting results and drawing conclusions.

CO4: Prepare structured reports by using computer-based writing tools

CO5: Apply Various Online Tools for Economic Research.

Syllabus

Unit 1: Data Extraction and Preparation

- Computer Application in Economics: Importance
- Data: Types, Structures; Data Transformation and Data Merging; Cleaning and Preparing Data for Analysis
- Designing And Conducting Surveys Using Computer-Assisted Methods: Online Surveys
- Accessing Data from Various Sources: Online, Offline; India and World

Unit 2: Introduction to Software Packages for Data Analysis

- MS Excel: User Interface, Uses and Limitations
- SPSS: User Interface, Uses and Limitations
- R: User Interface, Uses and Limitations
- Python: User Interface, Uses and Limitations

Unit 3: Data Visualization and Analysis in Excel

- Tabulation
- Data Visualization Techniques: Graphs and Charts
- Basic Calculations
- Data Analysis: Statistical Functions, T, F, Chi Square, ANOVA, Correlation and Regression Analysis

Unit 4: Writing and Presenting Results

- MS Word: Reporting Essentials: Layout, Reference and Review Tab
- Introduction To Latex: Writing and Presenting Economic Analysis Reports
- Power Point: Effective Presentation of Economic Analysis.

Unit 5: Online Tools for Economic Research

- Google Tools: Advanced Search, Dataset Search, Google Keep, Ngram, Scholar , Lens
- Writing Essentials: Grammar and Paraphrasing Tools
- Copy Right Essentials: Plagiarism Checkers
- Using AI Tools In Academic and Professional Research and Work: Recent Technological Advances and Ethical Considerations

References:

1. <https://www.octoparse.com/blog/data-mining-vs-data-extraction-whats-the-difference>
2. [https://mis.alagappauniversity.ac.in/siteAdmin/ddeadmin/uploads/4/PG_M.A._Economics%20\(English\).pdf](https://mis.alagappauniversity.ac.in/siteAdmin/ddeadmin/uploads/4/PG_M.A._Economics%20(English).pdf)
3. <https://cran.r-project.org/doc/contrib/Farnsworth-EconometricsInR.pdf>
4. <https://towardsdatascience.com/transitioning-from-social-science-to-data-science-7e22501b5a3b>
5. <http://publish.illinois.edu/commonsknowledge/2019/12/05/stata-vs-r-vs-spss-for-data-analysis/>
6. Kristian Lono , (2023) , *Data processing in Sas, Spss, Stata, R and Python. Acomparison*, Statistics Norway
7. Dr. Sanatan Nayak, *Application of Computer in Economics Course Material Dept. of Economics*, B.B. Ambedkar University
8. N. Matloff (2011) *The Art of R Programming* No Starch Press Inc.
9. J. Adler, O'Reilly (2012) *R in a Nutshell*
10. Leanpub (2020) *Exploratory Data Analysis with R*

Semester-VII

Paper-7.5

(Skill Enhancement Course)

7.5 SOCIAL ENTREPRENEURSHIP

Course Learning Outcomes:

Upon completion of this course, the student shall be able to achieve the following outcomes:

CO1: Understand various concepts and practices in social entrepreneurship

CO2: Know various business models in social entrepreneurship

CO3: Analyze social innovation and design thinking related to social entrepreneurship

CO4: Examine legal aspects related to social entrepreneurship

CO5: Know marketing and communication strategies for social entrepreneurship

Syllabus

Unit 1: Introduction to Social Entrepreneurship

- Concept of Social entrepreneurship; Types: Community Social Entrepreneur, Non-Profit Social Entrepreneur, Transformational Social Entrepreneur, Global Social Entrepreneur
- Business Entrepreneurship vs Social Entrepreneurship

- Case studies of successful social enterprises: The Grameen Bank, ME to WE, SELCO, TATA Social Enterprise Challenge.
- Key challenges and opportunities in social entrepreneurship; Ethics and values insocial entrepreneurship

Unit 2: Business Models for Social Entrepreneurship

- Different Business models: Entrepreneur Support, Market Intermediary, Low IncomeClient, Service Subsidization.
- Identifying and Securing funding: Equity and Investment, Grants and Donations, Revenue and Fee, Crowdfunding and campaigning
- Evaluating the Social and Financial Impact of Social Enterprises; Scaling and sustaining social enterprises.

Unit 3: Design Thinking and Social Innovation

- Design Thinking: Meaning, Stages and Relevance to Social Entrepreneurship
- Social Innovation: Concept and Need for Social Entrepreneurship
- Sources of Social Innovation: Social Organizations, Social Movements, Politics andGovernment, Markets, Academia, Philanthropy

Unit 4: Legal and Regulatory Environment for Social Enterprises

- Social Entrepreneurship in India: Legal and Regulatory Frameworks and BarriersDifferent legal forms of Social Entrepreneurship: Non-profit or public charitableorganization, For -profit social enterprise under the Companies Act, 2013
- Intellectual Property Rights and Social Entrepreneurship.

Unit 5: Marketing and Communication for Social Enterprises

- Developing Marketing and Communication Strategies for Social Enterprises
- Identifying and Reaching Target Audiences for Social Enterprises: Branding and Storytelling for Social Enterprises
- Promoting Social Enterprises: Using social media and Other Digital Platforms
- Two Case Studies of Successful Social Entrepreneurships in Local Area.

References:

1. David Bornstein and Susan Davis (2016), *Social Entrepreneurship: What Everyone Needs to Know*, Oxford University press
2. Andrew Shea, Bryan Boyer, Jennifer May, Mariana Amatullo (2021), *Design for SocialInnovation Case Studies from Around the World*, [Taylor & Francis](#)
3. India Consulate General of Switzerland (2015), *Social Entrepreneurship in India Unveilingthe unlimited opportunities*
<https://www.indembassybern.gov.in/docs/Social-Entrepreneurship-Report.pdf>
4. Debbie Vigar-Ellis, Nigel Chiweshe (2019), *Strategic Marketing for Social Enterprises inDeveloping Nations* [IGI Global](#)
5. [Harsh Bhargava](#) ([Sai Prameela Konduru](#) (2023), *BITS Of Social Impact : A SocialEntrepreneurship Primer with Stories of Founders from BITS Pilani* HarperCollins India
6. [Elena G. Popkova](#), [Bruno S. Sergi](#) (2021), *Economic Issues of Social Entrepreneurship* Palgrave Macmillan
7. Samapti Guha, Satyajit Majumdar (2021), *In Search of Business Models in SocialEntrepreneurship Concepts and Cases*

8. [M Durieux](#) (2010, *Social Entrepreneurship For Dummies* John Wiley & Sons Inc
9. Anirudh Agrawal, Payal Kumar, (2018) *Social Entrepreneurship and Sustainable BusinessModels The Case of India* , [Springer International Publishing](#)
10. [Carole Carlson](#) (2022), *Social Entrepreneurship and Innovation* , [SAGE Publications](#)

Semester-VII

Paper-7.5

(Skill Enhancement Course)

7.5 MARKETING RESEARCH

Course Learning Outcomes:

Upon completion of the course, the students shall be able to achieve the following
outcomes:

CO 1: Discuss the importance of marketing research

CO 2: Evaluate various observation techniques

CO 3: Capable of designing a questionnaire

CO 4: Proficient of data analysis and interpretation

CO 5: Able to prepare a report

Syllabus

Unit-1: Introduction

- Importance And Role of Research in Marketing
- The Marketing Research Industry; Approaches to Marketing Intelligence.
- Types of Market Research; Market Research Process
- Problems Encountered by Marketing Research in India
- Marketing Problems and Avenues or SHGs, Women Entrepreneurs, Marginal Farmers, Environmental Goods/Services

Unit- 2: Marketing Research Design

- Research Design: Pre-Test, Post-Test, Control Group and Solomon Four Group Design, Causal Research
- Observation Techniques
- Experiments
- Test Markets

Unit- 3: Data Collection

- Primary and Secondary Data
- Questionnaire Design
- Comparative and Noncomparative Attitude Measurement Scaling Techniques
- Sampling Design

Unit-4 : Data Analysis and Interpretation

- Analysing Qualitative Data Collected Through Interviews and Open-Ended Questions
- Salient Features of Different Methods of Non-Parametric Tests: One Sample Tests (Chi-Square Test); Two Sample Tests (Wilcoxon Matched-Pairs Signed Rank Test); K Sample Tests (Kruskal-Wallis Test);
- Multidimensional Scaling, Discriminant Analysis.

UNIT-5: Reporting Results

- Preparing Marketing Research Report and Presentation:
- Graphical Presentation of Reports
- Ethical Issues Related Clients, Respondents, Sampling, Questionnaire Design, Reporting

References:

1. Naresh K Malhotra, Satyabhushan Dash, (2009) Marketing Research- An Applied Orientation, 5/e, Pearson Education, New Delhi.
2. Donald S. Tull, Del I. Hawkins, (2009). Marketing research –Measurement & Method, PHI Private Limited, New Delhi.
3. Donald R. Cooper, Pamela S Schindler, (2007). Marketing Research- Concepts and Cases. Tata McGraw-Hill Publishing Company Limited, New Delhi.
4. Hair, Bush, Ortinau, (2006). Marketing Research, 3/e, Tata McGraw-Hill Publishing Company
5. Nigel Bradley, (2007). Marketing research –Tools and Techniques. Oxford University Press, New Delhi.

Semester-VIII Paper-8.1

8.1 ADVANCED THEORIES IN DEVELOPMENT ECONOMICS

Course Learning Outcomes:

Upon completion of the course, the student shall be able to achieve the following outcomes:

CO1: Explain the concepts and measurements of poverty, inequalities and unemployment as indicators of Development

CO2: Discuss relative merits of various advanced growth models;

CO3: Distinguish between various theoretical models of underdevelopment and development.

CO 4: Explain various growth strategies and appropriateness for developing countries

CO5: Examine the role of international trade in economic development and discuss the role IMF and world bank in economic development with particular reference to India.

Syllabus

Unit 1: Development Concept and Measurement Indicators

- Concept of Economic development and its multi dimensions; Human Development: Concept, Measurement of HDI; Sustainable Development and UN-SDGs
- Poverty: Meaning and Concepts; Poverty Measurements: Head-Count Ratio, HPI, MPI
- Unemployment: Meaning and Concepts; Unemployment Measurements
- Inequalities: Concept and Types; Measurements of Inequalities: Lorenz Curve & Gini Index, Atkinson Index & Palma Ratios

Unit 2: Technical Progress and Growth Models

- Technical Progress: Concept and Types (Embodied & Disembodied; Hicks, Horrod& Solow); Total Factor Productivity
- Growth and Distribution Models: Kalecki's Theory, Kaldor's Model, Pasinetti's Model in brief
- Arrow's Learning by Doing Model; Endogenous Growth Model
- Multi Sector Growth Models: Uzawa and Feldman models.

Unit 3: Theories of Underdevelopment and Development

- Low Level Equilibrium Trap Theory; Models of Dualism: Social and Technological
- Lew's Unlimited Supply of Labour Model and Fei Rains' Dual Economy Model
- Cumulative Causation Model; Neo-Marxist Development Theory
- Indian Development Models: Nehru, Ambedkar, Rao-Manmohan, Amartya Sen in brief

Unit 4: Growth Strategies for Developing Countries

- Investment Criteria in Developing Countries: Social Marginal Productivity Criterion, Capital-Output Ratio Criterion, Marginal Per-capita Reinvestment Quotient Criterion, Time Series Criterion, Leading Sectors Criterion
- Choice of Techniques and Economic Growth; Approaches to Choice of Techniques: Maurice Dobb's Approach, A.K. Sen's Approach in brief

Unit 5: International Trade and Economic Development

- International Trade as Engine of Growth by James Riedel; Static and Dynamic Gains from Trade
- Prebisch, Singer and Myrdal Thesis of International Trade
- Export-led Growth; Dual Gap Analysis
- International Finance and Development; IMF and World Bank Development Policies in Developing Countries with special reference to India.

Reference Books:

11. Ray, D. (2009), *Development Economics*, Princeton University Press.
12. Todaro M. P. and Stephen, C., Smith (2014), *Economic Development*, Pearson, 12 Ed..
13. Hayami and Godo: *Development Economics*, Oxford Publication.
14. Lokanathan, *History of Economic Thought*
15. Sen, A., (1999), *Development as Freedom*, Oxford University Press.
16. Thirlwall A. P., (2005), *Growth and Development*, Palgrave Macmillan; 8th Edition.
17. Chenery, Hollis and T. N. Srinivasan, (1998), *Handbook of Development Economics*, Elsevier.
18. Basu, Kaushik (2000), *Analytical Development Economics: The Less developed Economy: Revisited*, Oxford University Press, India.
19. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, KhanAcademy etc.
20. <https://wid.world/>

8.1 CONTEMPORARY DEVELOPMENTAL ISSUES IN INDIAN ECONOMY

Course Learning Outcomes:

After completing this course, the student shall be able to achieve the following outcomes:

- CO1: Evaluate the debate on growth vs distributive justice with reference to prevailing magnitude of poverty, inequalities and unemployment in India.**
- CO2: Review the demographic dynamics and critically examine the recent trends and challenges in the agricultural development in India**
- CO3: Discuss opportunities and challenges of Industry 4.0 and 5.0 and evaluate policy initiatives and programmes for physical and digital infrastructure.**
- CO4: Summarise the trends in the social sector development with focus on challenges and solutions in Education, Health, Banking, Finance and Insurance.**
- CO5: Debate and evaluate issues in public finance and trade in India.**

Syllabus

Unit-1: Development Debate and Macroeconomic Issues in India

- Development Debate: High Economic Growth vs Distributive Justice and Environmental Sustainability
- Corruption & Crony Capitalism vs Institutional Efficacy; Challenges in Making India a \$5 Trillion Economy
- Controlling of High Inflation and Policy Efficacy Issues; New Types of Unemployment and Measures
- Poverty Reduction Debate; Problems of Growing Income & Wealth Inequalities; Challenges in Raising Human Development

Unit-2: Demography and Agricultural Sector in India

- Demography: Regional Variations in Population Growth and their Implications
- Changes in Age Structure and its Implications; Reaping Demography Dividend and Challenges
- Agricultural Sector: Yield Gaps of Major Crops and Actions; Crop Diversification for Nutritional Food; Sustainable Agriculture and Policy Measures
- Challenges in Doubling Farmers Income; Three Farm Bills and Problems; Resurgence of Cooperatives and FPOs

Unit-3: Industry and Infrastructure in India

- Industrial Sector: Missing Share of Manufacture Sector and Policy Measures
- Opportunities and Challenges in Industry 4.0 & 5.0
- Reviving MSMEs; Problems of Industrial Labour and New Labour Codes; Issues in PSU's Disinvestment
- Infrastructure: Challenges in Building Modern Physical Infrastructure and Programs; Prospects of Digital Infrastructure and Measures

Unit-4: Service Sector in India

- Education Sector: Poor Quality Standards and Measures; EduTech Companies;

Challenges in Skill Development and Programs

- Problems in Public Health, Malnutrition and Measures
- Gig Economy and its Opportunities & Challenges; Challenges in Insurance Sector and Measures Banking Sector: Digital Financial Services, FinTech Companies
- Banking Sector: Digital Financial Services, FinTech Companies; Features of IBC

Unit-5: Public Finance and Trade in India

- Development Expenditure vs Welfare Expenditure in India
- Role of DBT in Efficient Public Spending and its Challenges
- Budget Deficits and Controlling Measures; Increasing Public Debt and Ways of Redemption; Dwindling State Government Finances and Measures
- Foreign Trade: CAD Deficits and Controlling Measures, Rupee Depreciation and Measures, New Foreign Trade Policy

References:

1. Gaurav Datt and Ashwani Mahajan (2023), *Datt & Sundharam's Indian Economy*, S. Chand and Co. New Delhi.
2. Agarwal. A. N. (2016). *Indian Economy*, Wiley Eastern Ltd, New Delhi.
3. Ramesh Singh (2021), *Indian Economy*,. McGraw Hills, New Delhi.
4. Economic Surveys of India, Other Official Surveys, Committee Reports
5. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, Khan Academy etc.
6. Websites of Concern Ministries of Govt of India, RBI, NITI Aayog

Semester-VIII

Paper-8.2

8.2 CONTEMPORARY DEVELOPMENTAL ISSUES IN ANDHRA PRADESH ECONOMY

Course Learning Outcomes:

Upon completion of the course, the student shall be able to achieve the following outcomes:

C01: Evaluate the debate on impacts of bifurcation on AP economic growth and development

C02: Discuss opportunities and challenges of exploring the available natural resources in AP

C03: Summarize the trends in the social sector development with focus on challenges

C04: Participate in the debate on dynamics of sectoral composition in AP economy

C05: Critically examine the recent trends in the various important issues in public finance in AP

Syllabus

Unit I: Structure, Growth and Development of AP Economy Since 2014

- Structure And Sectoral Composition of AP Economy
- Performance of AP Economy: Trends in GSDP, PCI
- Issues and Challenges in AP Economic Growth and Development

- Impact of Bifurcation and Need for Special Status

Unit- 2: Natural and Human Resource Development In AP

- Use of Natural Resources in AP: Potential and Challenges
- Pricing Policy of Minerals in AP, Importance of Circular Economy in AP
- Features of Population in AP; Progress and Challenges in Realisation of Demographic Dividend
- Human Development, Skill Development in AP

Unit-3: Developmental Issues in AP

- Poverty and Unemployment: Trends, Issues
- Social Welfare Programmes: Impact and Challenges in Implementation
- Problems and Prospects of Rural Development; Urbanisation and Migration
- SDGs: Indicators, Targets, Localising SDGs

Unit-4: Dynamics of Sectoral Composition in AP Economy

- Production Trends, Problems and Programmes for Agriculture Sector
- Production Trends, Problems and Programmes for Agriculture Allied Sectors: Blue Economy, Dairy farming
- Growth of Industrial sector in AP: EODB, Industrial Corridors, Recent Industrial Policy, Port led Development
- IT policy of AP; Exports and Imports in AP

UNIT-5: Public Finance in AP

- Public Revenue: Tax and Nontax Revenue; Central Assistance; External Assistance
- Trends In Public Expenditure; Balancing Public Expenditure between Development and Welfare
- Trends And Challenges in Public Debt and Interest Payments

References:

Text Book On Ap Economy By Telugu Academy

1. AP Socio Economic Survey
2. AP Budgets, Ap Finance Commission, Cag, Niti Ayog, Prc Reports
3. AP Govt. Policies On Agriculture, Industry, Mining, Services Sectors
4. AP Dept. Of Economics And Statistics (Ap Des) <https://Aeapos.Ap.Gov.In/>
5. AP Planning Development Society <http://Www.Apsdps.Ap.Gov.In/>

Semester-VIII

Paper-8.2

8.2 GENDER AND SOCIAL ECONOMICS

Course Learning Outcomes:

After studying this course, the student shall be able to achieve the following outcomes:

CO1: Analyse and evaluate concepts, approaches, and indices in gender development.

CO2: Understand demographic trends and labour market dynamics for women in India.

CO3: Gain a comprehensive understanding of the gender issues prevalent in Indian economic development

CO4: Demonstrate a deep understanding of the concepts of social justice and theories

Syllabus

Module 1: Gender Development Concepts and Approaches & Indices

- Concept of Gender; Patriarchy and its Implications on Gender
- Gender Equality & Empowerment: Concept and Role in Economic Development
- Gender Development Indices: GDI, GII (Inequality) and GEM (Empowerment).
- Gender Development Approaches: WID, WAD, GAD and WED (Entrepreneurship)

Module 2: Demography and Labour Market for Women in India

- Gender-wise Demography in India: Sex Ratio, Fertility Rates, Labour Force Participation; 'U' Hypothesis
- Gender in Ownership: Access to Resources and Decision Making
- Social Security: Safety & Security to Women in India
- Labour Market Barriers for Women in India: Visible & Invisible, Paid & Unpaid work, Time Poverty, Informalisation, Theory of Wage Discrimination and Differentials in brief

Module 3: Gender Issues in Indian Economic Development

- Feminisation of Poverty: Gender Inequalities in Land, Public Services, Entrepreneurship, Education, Health in India
- Women in Access to Finance and Insurance Services
- Role of Micro Finance and Self-Help Groups in Women's Development
- Gender Budget and Women Empowerment Policies & Programs in India

Module 4: Concepts of Social Justice and Theories of Social Discrimination

- Concepts of Social Equality, Social Equity, Social Exclusion and Social Justice
- Social Discrimination: Concept and Types
- Theories of Discrimination: Ambedkar's Theory of Caste and Discrimination & Social Exclusion, George Akerlof's Identity Theory of Discrimination,
- Edmond Phelps' Statistical Theory of Discrimination- Caste, Social Exclusion and Poverty Linkages

Module 5: Social Inequalities and Social Justice Programs in India

- Operation of Caste System in India in brief: Caste Inequalities in India in terms of Land, Income & Wealth, Employment, Entrepreneurship
- Role of Market for Social Justice
- Role of State: Positive Discrimination & Affirmative Action for Social Justice
- Government Programs/Schemes for Social Justice in India

Reference Books:

1. Boserup, E. (1970), *Women's Role in Economic Development*, George Allen and Unwin, London.
2. Seth, M. (2000): *Women and Development: the Indian Experience*, Sage Publications, New Delhi.
3. Seth, M. (2000), *Women and Development; The Indian Experience*, sage publications, New Delhi.
4. Kabeer, N. (1994): *Reversed Realities: Gender Hierarchies in Development Thought*, Kali for Women, New Delhi.
5. Krishnaraj, M., R.M. Sudarshan and A. Shariff (1999), *Gender, Population and Development*, Oxford University Press, New Delhi.
6. Ambedkar, B. R., "Castes in India: Their Mechanism, Genesis and Development", Paper Presented at Anthropology Seminar, 1916.

7. Akerlof, G. A. and Kranton, R. E., “*Identity Economics: How Our Identities Shape Our Work, Wages and Well-being*”, Princeton University Press, 2011.
8. Becker, G., “*The Economics of Discrimination*,”, University of Chicago Press, 2nd Edition, 1971.
9. Thorat, S. K., “*Caste System in India: Social and Economic Exclusion and Poverty*”, Indian Institute of Dalit Studies, 2004.
10. Thorat, S. K., “*Caste, Social Exclusion and Poverty Linkages: Concept, Measurement and Empirical Evidences*”, 2005.
11. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, Economic Surveys, SWAYM, Khan Academy etc.
12. Websites of Ministry of Women & Child Welfare, Social Justice, Govt of India.

Semester-VIII

Paper-8.3

8.3 BEHAVIOURAL ECONOMICS

Learning Outcomes:

After completing the course, the student is expected to perform the following:

- CO1: Explain the foundations of Behavioural economics.**
- CO2: Apply concepts and theories relating to preferences, choices and decision making.**
- CO3: Discuss Heuristics and biases in judgment.**
- CO4: Evaluate how social preferences and norms effect decision making.**
- CO5: Analyse and apply behavioural economics to real world challenges.**

Syllabus

Unit-1: Foundations of Behavioural Economics

- Behavioural Economics: Definition, Nature and scope
- Behaviouralism as deviation from standard economic assumptions; Bounded Rationality
- Evolution of Behavioural Economics: Contributions of Herbert Simon, Akerlof and Thaler
- Behavioural Approaches to Study Economics

Unit-2: Preferences, Choices and Decision Making

- Values, Preferences and Choices
- Choice Under Uncertainty: Standard Model; Neuro-Scientific Basis of Utility
- Risk Concepts: Loss Aversion, Decision Weighting, Probabilistic Judgment
- Decision Making Under Risk and Uncertainty: Prospect Theory and Reference Points

Unit -3: Heuristics, Biases and Revealed Preferences

- Heuristics: Concept, Types and Importance in Behavioural Economics
- Biases in judgements: Self-Evaluation Bias, Projection Bias, Hindsight Bias, Confirmation Bias

- Nature and Components of Mental Accounting: Framing and Editing, Budgeting and Fungibility, Choice Bracketing
- Time Discounting, Time Preferences, Discounted Utility Anomalies

Unit -4: Social Beliefs, Preferences and Norms

- Beliefs; Social Preferences: Altruism, Fairness, and Reciprocity
- Factors effecting Pro-Social and Helping Behaviour
- Impact of beliefs and Social Preferences on Behaviour and Decision-Making

Unit -5: Applications of Behavioural Economics

- Designing Behavioural Experiments: Randomization and Control Groups
- Application of Behavioural Economics in Consumer Behaviour, Financial Markets, and Public Health
- Nudging Theory and its Application in Policy Making in India

References:

1. Morris, A, Contemporary Behavioral Economics: Foundations and Developments. M E Sharpe, 2006.
2. Erik, A, A Course in Behavioural Economics. Palgrave Macmillan, 2012.
3. Peter, D & Variainen, Behavioural Economics and its applications. PUP, 2007.
4. David, J. R., Introduction to Behavioral Economics. Wiley, 2014.
5. Wilkinson N and Hales M, An Introduction to Behavioural Economics. Palgrave, 2012
6. Camerer, Colin F. and George Loewenstern, & Matthew Rabin: (2003): *Advances in Behavioral Economics*, Princeton University Press.
7. Michelle Beddeley, (2019), *Behavioural Economics and Finance*, Routledge.
8. World Development Report” Mind, Society and Behaviour
<https://www.worldbank.org/content/dam/Worldbank/Publications/WDR/WDR%202015/WDR-2015-Full-Report.pdf>
9. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, Khan Academy etc.
10. <http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11> (online content)
11. <https://www.cmu.edu/dietrich/sds/docs/loewenstein/BehavioralEconomics.pdf>
12. https://www.bu.edu/eci/files/2020/05/Behavioral-Economics_final.pdf
13. <https://hbr.org/2015/05/from-economic-man-to-behavioral-economics>

Semester-VIII

Paper-8.3

8.3 CONSTITUTIONAL ECONOMICS

Learning Outcomes:

After studying this paper, the student shall be able to achieve the following outcomes.

CO1: Identify the relationship between Constitution and Economic Development in India

CO2: Explain the role of Directive Principles in economic development

CO3: Analyse the financial relations in Indian Constitution

CO4: Examine the budget and taxation provisions in Indian Constitution

CO5: Explain the role of Judiciary and Decentralisation for the economic development

Syllabus

Unit: 1. Constitution and Economic Development

- Importance of Constitution in Economic Development
- Preamble and its Importance in functioning of Indian Economy
- Fundamental Rights and their importance in functioning of free economy
- Human rights in Indian Constitution and their importance in Economic development

Unit: 2. Directive Principles and Economic Development

- Directive Principles of State Policy (DPSP) in Indian Constitution
- DPSPs and Economic Development
- Fundamental Duties and Economic Development

Unit: 3. Financial Relations in Indian Constitution

- Economic issues in Centre, State and Concurrent List
- Fiscal Federalism and Center-State financial relations; Economic unity of India and Inter-State Trade & Commerce
- Finance commission: Functions and latest Finance commission Report
- Cooperative and Competitive Federalism; Special status for certain States

Unit 4: Taxations Budget and in Indian Constitution

- Concepts of Money Bill, Finance Bill
- Constitution Provisions for Budget; Discussion and Approval of Budget in Legislatures
- Constitutional Provisions for various Taxes
- GST System, GST Council

Unit 5: Judiciary and Decentralisation for Economic Development

- Role of Judiciary and Judicial Activism in Economic Development; Functions and Powers the Supreme Court and High Court
- Power and Functions of Comptroller and Auditor General (CAG) and Its Role in Economic Development
- Role of Decentralization in Economic Development; Important provisions of Decentralization in Indian Constitution under 73rd and 74th Amendments; Local Planning.

References:

1. Basu, D. D., "Commentary on The Constitution Of India", Lexis Nexis, 2nd Ed., Vol1-2, 2015.
2. Seervai, H. M., "The Indian Constitution", Vol-I, II & III
3. Austin G. S., "The Indian Constitution: Cornerstone of A Nation", Oxford, 1999.
4. Krishnaswamy, S., "Democracy and Constitutionalism in India: A Study of the Basic Structure Doctrine", Oxford University Publication, 2010.
5. Reports of Finance Commission and CAG

Semester-VIII
Paper-8.4
(Skill Enhancement Course)

8.4 INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT

Course Learning Outcomes:

Upon completion of this course, the student shall be able to achieve the following outcomes:

CO1: Explain the types of financial markets, investment types and strategies

CO2: Analyse the capital market models and portfolio management

CO3: Explain the concepts and functioning of bond market

CO4: Understand types of derivatives and its pricing models

CO5: Examine the concepts and functioning of mutual funds

Syllabus

Unit 1: Investment Types, Strategies and Techniques

- Investment: Concept and Types; Objectives of Investment Decisions; Financial Markets: Types and Instruments
- Investment Options in Stock Markets: Stocks, Commodities, Currencies; Investment Risk Analysis: Concept, Types and Measuring Techniques
- Investment Strategies: Concept and Types
- Investment Analysis Techniques: Fundamental Analysis and Technical Analysis, Top-Down Investing, Bottom -Up Investing

Unit 2: Capital Market Models and Portfolio Management

- Capital Market Efficiency: Introduction and Departure from Efficient Market Hypothesis.
- Equilibrium Models: Capital Asset Pricing Model (CAPM) and Arbitrage Pricing Theory
- Portfolio Management: Meaning, Objectives and Process
- Portfolio Management Strategies; Modern Portfolio Theory in brief

Unit 3: Fixed Income Securities - Bonds

- Introduction: Time Value of Money
- Interest Rate: Concepts and Calculations
- Bond Pricing Fundamentals: Bond Yields, Spot Prices, Discount Factors, Forward Rates and Yield-To-Maturity, Price Sensitivity

Unit 4: Derivatives

- Derivatives: Meaning and Types
- Futures and Options: Meaning, Types, Strategies
- Speculation and Hedging
- Pricing Model: Black- Scholes Formula

Unit 5: Investment Management by Mutual Funds

- Mutual Funds: Concept and Classification, Major Mutual Fund Companies in India
- Net Asset Value (NAV); Cost of Management: Entry/Exit Loads Fees

- Performance Assessment of Mutual Funds

References:

1. Avadhani, V.A. (2000): Financial Economics: Theory and Practice, Himalaya Publishing House, Mumbai
2. Bhole, L.M. (1991): Financial Institutions and Markets: Structure, Growth and Innovation, Tata McGraw-Hill Publishing Company Limited, New Delhi
3. Luenberger, D.G. (2013): Investment Science, Oxford University Press.
4. Hall, J.C: Options, Futures and Other Derivatives, Pearson Prentice Hall Publication. Latest Edition
5. Elton, E.J and M.J. Gruber, Modern Portfolio Theory & Investment Analysis, (fourth edition) John Wiley & Sons 1991.

Semester-VIII

Paper-8.4

(Skill Enhancement Course)

8.4 EXPERIMENTAL ECONOMICS

Course Learning Outcomes:

After studying this course, the student shall be able to achieve the following outcomes:

CO1: Understand the history and emergence of experiments in economics

CO2: Acquainted with the need for experiments in economics

CO3: Capable of designing an experiment

CO4: Proficient of taking up case studies using econometrics

CO5: Able to test the external validity of an experiment

Syllabus

Unit-1: Introduction

- History and Emergence of Experiments in Economics; End of Impossibility; Choice Consistency in Risky Decision
- Experimental Economics and Behaviour
- Experimental Methods; Advantages and Limitation; Type of Experiments: Procedure and Design Consideration
- Laboratory Experiment: Procedure for Experiments, Experiment Auction; Ex-Ante and Ex-Post Method Case Study

Unit-2: Need for Experiments in Economics

- Controlled Experiment in Empirical Economics; Econometric Approach to Data Analysis
- Content of Observational Data, Treatment-Effect Parameters
- Identification Based on Observational Data, Inference Based on Controlled Experiments
- Case Study

Unit 3: Designing an Experiment

- Internal Validity Issues, Link Between Experiment and Internal Validity

- Incentive Structure of Experiment, Parameters and Experimental Treatment
- The Pursued Experiment, Pursued Opponent and Learning
- Conducting an Experiment, Setting Up an Experimental Laboratory, Step by Proceeding

Unit 4: Econometrics of Experimental Data

- Experimental Data
- Estimation and Inferences
- Testing Procedures
- Case Study

Unit 5: External Validity of Experiment

- The External Validity of the Experimental Result
- Testing of External Validity
- Testing Theory
- Case Study

References:

1. Experimental Economics: Method and Application by Nicholas Jacquemet and Oliver L'Haridon, Cambridge University Press, 2019
2. Papers in experimental economics by Vernon L Smith, Cambridge University Press, 1991
3. Experimental Economics, Douglas Davis, Charles A Holt, Princeton University Press, 1993
4. Experimental Auctions- methods and applications in Economics and Marketing research, Jaison L Lusk and Jason F Shogren, Cambridge University Press, 2007
5. The methodology of experimental economics, Francisco Guala, Cambridge University Press, 2005
6. writings of Vernon Smith, The Nobel Laureate and Esther Duflo and Abhijit Banerjee, the Nobel laureates & JPAL <https://www.povertyactionlab.org/>

Semester-VIII

Paper-8.5

(Skill Enhancement Course)

8.5 COOPERATIVE ECONOMICS

Course Learning Outcomes:

Upon completion of this course, the student shall be able to achieve the following outcomes:

CO1: Explain various Principles and Theories of Cooperation

CO2: Understand Forms and Organisational Structures of Cooperatives

CO3: Discuss the Cooperatives development and Organisations in India

CO4: Examine the functioning of different cooperatives in India and their success stories

CO5: Evaluate Government Program and Schemes for Cooperatives

Syllabus

Unit 1: Principles and Theories of Cooperation

- Cooperatives: Definition, Concept and Cooperative Values
- Principles of Cooperation: Rochdale and ICA Principles
- Cooperative Doctrines: Robert Owen, Theory of Workers Control of

Cooperatives, Fair Price Theory

- Cooperation as an Alternative to Problems of Capitalism and Market Economy.

Unit 2: Forms and Structure of Cooperatives

- Forms of Cooperatives: Formal & Informal, Single & Multi-purpose, Producers & Consumers, State Cooperatives
- Organizational Structure of a Cooperative
- Role of General Body and Officials in Cooperative Management
- Importance of Leadership in Cooperative Management.

Unit 3: Cooperative Development, Laws and Institutions in India

- History of Cooperative Movements in India
- Constitutional Provisions for Cooperatives
- Salient Features of Andhra Pradesh Cooperative Societies Act-1995
- National Policy on Cooperation: Role of State in Cooperation Development in India; Organisations for Development of Cooperatives in India.

Unit 4: Credit and Agricultural & Dairy Cooperatives in India

- Types of Cooperatives in India: Credit and Non-Credit Cooperatives
- Issues and Challenges of Credit Cooperatives in India; Vaidyanathan Committee Recommendation for Revival of Credit Cooperatives
- Micro Finance Cooperatives and SHGs
- Cooperative Farming & FPOs: Issues and Challenges
- Dairy Cooperatives and White Revolution in India: Success Stories of Amul Dairy

Unit 5: Non-Credit Cooperatives and Institutional and Government Programs for Cooperatives Development in India

- Marketing Cooperatives, Cooperative Housing, Consumers Cooperatives, Service Cooperatives
- Two Success stories of Cooperatives Marketing and Consumer Cooperatives
- Initiatives of NCDC, NAFED, NABARD in Development of Cooperatives
- Government Programs and Schemes for Development of Cooperative in India.

References:

1. Ravichandran, K and Nakkiran, S, Cooperation: Theory and Practice, Abijit Publications, Delhi.
2. Hajela T.N., (1994) Cooperation: Principles, Problems and Practice, Konark Publishers, New Delhi. Krishnaswamy O.R. and Kulandhiswamy V., (2000) Cooperation: Concept and Theory, Arudra Academy, Tamil Nadu.
3. Bedi, R.D. (1997), *Theory and Practice of Cooperation*
4. Kulandai Swamy, V(1980), *Theory of Cooperation*
5. Mathur, B.S. (2022), *Cooperation in India, SBPD Publications.*
6. Websites of Ministry of Cooperatives, Govt of India, NCDC, NAFED, NABARD, ICA etc
7. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, Khan Academy etc.

8.5 CORPORATE SOCIAL RESPONSIBILITY

Course Learning Outcomes:

After completing the course, the student shall be able to achieve the following outcomes:

CO1: Explain various concepts in Corporate Social Responsibility (CSR)

CO2: Explain the frameworks for CSR and global initiatives

CO3: Analyse the legislative initiatives relating to CSR in India

CO4: Evaluate the roles and responsibilities of Key Stakeholders under CSR

CO5: Make a critical appraisal of the implementation of CSR projects in India

Syllabus

Unit 1: Introduction to Corporate Social Responsibility (CSR)

- CSR: Concept and Importance; Concepts of Charity, Corporate Philanthropy, Corporate Citizenship
- Relation between CSR and Corporate Governance; Carroll's Model
- Drivers of CSR; Major Codes on CSR
- Evolution of CSR in India; CSR initiatives in India.

Unit 2: International Framework for CSR

- United Nations (UN) Global Compact 2011
- UN Guiding Principles on Business and Human Rights
- OECD CSR Policy Tool, ILO Tri-Partite Declaration of Principles on Multinational Enterprises and Social Policy
- Global Compact Self-Assessment Tools.

Unit 3: CSR Legislation in India

- Provisions of Section 135 of Companies Act 2013
- Scope for CSR Activities under Schedule VII,
- Appointment of Independent Directors on the Board
- Computation of Net Profits
- Implementing Process of CSR in India.

Unit 4: Identifying Key Stakeholders of CSR & their Roles

- Role of Public Sector in CSR activities; Government Programs Encouraging Voluntary Responsible Action of Corporations
- Role of Non-profit & Local Self Governance in Implementing CSR
- Contemporary Issues in CSR & SDGs - National Voluntary Guidelines by Govt of India
- Understanding Roles and Responsibilities of Corporate Foundations.

Unit 5: CSR Program Implementation and Opportunities

- Current Trends and Opportunities in implementation of CSR Programmes
- Monitoring and Measuring the Impact of CSR Programs

- Successful Initiatives & Challenges of CSR
- Case Studies of Major CSR Initiatives in Local Area.

References:

1. Baxi. C. and Prasad. A (2013). *Corporate Social Responsibility, Concept & Cases: The Indian Experience*, Excel Books, New Delhi.
2. Modi. P. K (2009). *Corporate Social Capital Liability*, Arise Publishers & Distributors, Delhi.
3. Sanjay K Agarwal: *Corporate Social Responsibility in India*
4. Prasenjit M. (2010). *Corporate Social Responsibility - Vol. – I & II*, Sharda Publishing House, Jodhpur (India).
5. William B. (2009). *Strategic Corporate Social Responsibility, stake holder's a global Environment*, Sage Publication, Mumbai.
6. Mark S. Schwartz : *Corporate Social Responsibility: An Ethical Approach*
7. CII: *Handbook on Corporate Social Responsibility in India*
8. Open Source Online Materials & Videos: IGNOU, e-PG Pathasala, SWAYM, KhanAcademy etc.

List of LDCs, SDCs offered by the Department

SKILL DEVELOPMENT COURSES

For B.A Courses under CBCS w.e.f.2022-2023 (2022-25 Batch)

ARTS STREAM

FINANCIAL MARKETS

Course Outcomes:

After completing the course, the student shall be able to achieve the following outcomes:

- CO1: To understand the concept and fundamentals of Financial markets and institutions, list out the Indian money market Instruments
- CO2: Identify and analyse the Structure of Indian financial system
- CO3: Apply the concepts to financial opportunities and formulate ideas related to them
- CO4: Examine the functions of stock markets, role of SEBI and other regulatory bodies in the country.

CO1: Explain the frameworks for CSR and global initiatives

CO2: Analyse the legislative initiatives relating to CSR in India

CO3: Evaluate the roles and responsibilities of Key Stakeholders under CSR

CO4: Make a critical appraisal of the implementation of CSR projects in India

UNIT-I:

Indian Financial System- its components - Financial markets and institutions

UNIT-II:

Capital Market - its function - organizations - elements - (shares, debentures, bonds, mutual funds)

debt market - Equity market (SEBI) and secondary market (NSE)

UNIT-III:

Money market - Organized - Unorganized - Sub market (call money, commercial bills, Treasury bill, Certificate of Deposit, Commercial papers)

Reference books:

- 1.T.R. Jain R.L.Sarma - Indian Financial System- VK Global publisher
2. Jithendra Gala - Guide to Indian Stock markets Buzzing Stock publishing house
3. Saha Siddhartha- Indian financial System- and Markets - McGraw hill
4. Websites on Indian Financial markets. MODEL QUESTION PAPER FORMA

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