

Semester – I
Core-I: Research Methodology

Course Objectives: *This paper intends to provide the learners, the basic knowledge for pursuing research and also expose them to application of various quantitative techniques in their research.*

Course Outcome: *On the successful completion of this course, the learners will be able to analyse data using data processing tools and excel in report writing.*

Unit I: Social Science Research and Scientific Method

Social Science Research: Classification - Objectives - Basic assumptions - Significance - Difficulties and Limitations. Scientific Method: Definition, Assumptions, Characteristics, Components, Steps, Problems, Difficulties and Limitations - Objectivity - Essentials of Good Research.

Unit II: Steps in Research

Selection of the Research Problem - Formulation of Hypothesis - Research Design - Source and Types of Data - Census and Sampling Method - Processing and Analysis of Data - Interpretation of Data.

Unit III: Statistical Tools for Data Analysis

Descriptive Statistics: Measures of Central Tendency and Measures of Dispersion. Data Analysis: Simple Correlation and Regression Analysis - Partial and Multiple Correlation and Multiple Regression - A note on Problems in Regression Analysis (Multi-collinearity, Autocorrelation, Heteroscedasticity and errors in measurement). Test of Significance: Z, t and F tests; Introduction to Non-parametric Tests: Chi-square, U, Run, Sign and K-W.

Unit IV: Uses of Computer in Data Processing and Analysis

Introduction to Computers - Preparation of Master Table - Data processing with the help of Excel and SPSS - Editing and Modifying Research Data - Sub-tables - Data Analysis with Excel and SPSS.

Unit V: Report Writing

Structure and General Format of Research Report - Style - Language, Punctuation, Grammar and Symbols - Graphical and Diagrammatical Representations - Use of Footnotes, References, Citations and Bibliography.

Text Books:

1. Saravanavel P. *Research Methodology*. New Delhi: Kitab Mahal, 2018.
2. Gupta S.P. *Statistical Methods*. New Delhi; Sultan Chand and Sons Pvt., Ltd., 46th edition, 2019.
3. Kothari, C.R. and Gaurav Garg. *Research Methodology*. New Delhi: New Age International (P) Limited, 4th edition, 2019.

Reference Books:

1. Brose, M.N. *Hand Book of Research Methodology*. New Delhi: Shree Niwas Publications, 2nd edition, 2012.
2. William J. Goode and Paul K. Hatt. *Methods in Social Research*. New Delhi: Surjeet Publications, 1st edition, 2019.

Semester – I
Core-II: Recent Developments in Economic Theory and Policy

Course Objectives: *To provide an insight into recent developments in economics theory and policy and to make the scholar to understand the theoretical framework.*

Course Outcome: *After successfully completing this course, students will have gained knowledge on the practical application of various economic theories.*

Unit I: Neoclassical Theory and New Institutional Economics

Neoclassical Economics: Assumptions - Market and State in Neoclassical Theory. Fundamental Theorems of Welfare Economics - Kenneth Arrow and Gerard Debreu Model (A D model) - McKenzie equilibrium model. NIE: Theory of the firm - Asymmetric Information - Path Dependence Economics. Theory of Property Right: Harold Demsetz and Elinor Ostrom.

Unit II: Austrian Economics and Theory of Public choice

Austrian Economics and Theory of Value - Role of Knowledge in the Economy - Market Failure and State Failure in Austrian Theory. Rent Seeking - Constitutional Design for Rent Seeking. Theory of Social Choice “Individual Choice in Political Voting and the Market Process”, Strategic Voting.

Unit III: Post-Keynesian and Behavioural Economics Theory

Critiques of Neoclassical Economics - Distribution Theory - Macro Dynamics. Bounded Rationality – Framing and Endowment Effect, ‘Defaults for choice’ - Behavioural Economics and Financial Sector – Behavioural Economics and Public Finance.

Unit IV: Welfare and Gender Economics

Utilitarianism - Rawlsian Theory of Welfare - Amartya Sen’s Capability Theory. Becker’s Theory of Family and Gender Discrimination - Feminist Economic Theory: Methodology and Basic Principles - Capability Approach and Gender: (Nussbaum’s Basic Capabilities Frame work) - Women Empowerment and Economic Development.

Unit V: Economic Development and Growth

Development - Expansion of Capabilities - New Growth Theory - Multiple Equilibrium and Development Policy - The role of Institutions and Human Capital in Development - Globalization and Development - Economic Growth and Financial Sector - Financial Globalization - Trade in Finance.

Reference Books:

1. Athreya Kartik. *Big Ideas in Macro Economics*, UK: MIT Press, 2012.
2. Todd Sandler. *Economic Concepts for the Social Sciences*, UK: Cambridge University Press, 2004.
3. Frank Hahn. *Equilibrium and Macro Economics*. UK: MIT Press. 1984.
4. Danial Bell. *The Crisis in Economic Theory*. New York: Basic Books, 1981.
5. Holt and Steven. *A New Guide to Post Keynesian Economics*. London: **Richard Pressman**, 2001.
6. King J.E. *The Elgar Companion to Post Keynesian Economics*. Edward Elgar Publications, 2nd edition, 2002.
7. Paul Davidson. *Post Keynesian Macro Economic Theory*. Edward Cheltenham, UK: Edward Elgar Publications, 2nd edition, 2011.
8. Neelakantan S. *New Institutional Economics and Agrarians Change: A Primer*, New Delhi: Indian Economic Association, 1992.
9. Eamonn Butler. *Public Choice: A Primer*. London: Institute of Economic Affairs, 2012.
10. Jack c Heckleman. *Readings in Public Choice Economics*. Ann Arbor: University Michigan press, 2007.

E-Reference:<https://mises.org>

Semester – I
Core-III: Emerging Issues in Indian Economy

Course Objectives: *To enable the students to acquire the knowledge of research problems in the Indian Economy.*

Course Outcome: *On the successful completion of this course, the learners will be able to understand and deal with economic problems.*

Unit I: Demography and Gender Equality

Population - Growth and Quality of Population - Human Development Index (HDI) - Health for All - State Intervention and Health - Rural Health Promotion Measures - Recent Developments and Challenges. Gender Equality: Women empowerment - Role of SHGs - Legislations for Women Empowerment.

Unit II: Economic Reforms

New Economic Policy - LPG - Impact on Indian Economy. Fiscal Reforms: Fiscal Responsibility and Budget Management Act (FRBM) - Direct Tax Reforms - Goods and Services Tax (GST) and its impacts. Trade Reforms - Exim Policy Changes - Cross Border Investments (FDI and FPI). NITI Aayog

Unit III: Agricultural Development

Agricultural Issues - Food Security - River Water Sharing and its Problems - Rural Finance and its Delivery Mechanism - Agricultural Price Policy - Marketing - Warehousing - Agricultural labour and Employment.

Unit IV: Industrial Development

Industrial Growth: Role and Pattern - Growth during Plan Period - Major issues in Indian Industries - Capital Inadequacy, Political Instability, Poor infrastructures, Low Productivity and Production, Elite Oriented Consumptions, Disinvestment of public sector industries - Competition from MNCs and its impact on Indian Industries.

Unit V: Environmental Issues

Environment - Sustainable Development - Waste Management - Climate Change - Natural Disaster Management - Environmental Policies. Pollution: Types, Causes, Effects and Control of Pollution. Swachh Bharath Abhiyan (Clean India Mission) and its Impacts.

Text Books:

1. Dutt and Sundaram. *Indian Economy*. New Delhi: S. Chand and Company Private Ltd., 65th edition, 2018.
2. Misra V.K. and S.K. Puri. *Indian Economy*. Mumbai: Himalaya Publishing House Pvt., 39th revised edition, 2021.

Reference Books:

1. Uma Kapila. *Indian Economy since Independence*. New Delhi: Academic Foundation, 19th edition 2009.
2. Jean Dreze and Amartya Sen. *India: Development and Participation*. New Delhi: Oxford University Press, 2nd edition, 2002.
3. Jean Dreze and Amartya Sen. *Indian Development: Selected Regional Perspectives*. New Delhi: Oxford University Press, 1st edition, 1996.
4. Patnaik P. *Whatever Happened to Imperialism*. New Delhi: Manohar Publishers and Distributors, 2003.
5. Bina Agarwal. *A Field of One's Own*. Cambridge,UK: Cambridge University Press, 1995.

Semester – I
Core-IV: Teaching and Learning Skills

Course Objective: After completing the scholars will get complete insight into teaching and learning skills.

Course Outcome: On the successful completion of this course, the learners will be able to communicate well and have expertise in teaching.

Unit I: Computer Applications Skills

Computer system: Characteristics, Parts and their Functions - Different generations of Computer - Operation of Computer: switching on/off/restart, Mouse control, Use of key board and some functions of key - Information and Communication Technology (ICT): Definition, Meaning, Features, Trends - Integration of ICT in Teaching and Learning - ICT Applications: Using Word Processors, Spread Sheets, Power Point Slides in the Classroom - ICT for Research: On-line journals, e-books, Courseware, Tutorials, Technical Reports, Theses and Dissertations.

Unit II: Communication Skills

Communication: Definitions - Elements of Communication: Sender, Message, Channel, Receiver, Feedback and Noise - Types of Communication: Spoken and Written; Non-verbal Communication – Intrapersonal, Interpersonal, Group and Mass communication - Barriers to communication: Mechanical, Physical, Linguistic and Cultural - Skills of communication: Listening, Speaking, Reading and Writing - Methods of developing fluency in Oral and Written Communication - Style, Diction and Vocabulary - Classroom Communication and Dynamics.

Unit III: Communication Technology

Communication Technology: Bases, Trends and Developments - Skills of using Communication Technology - Computer Mediated Teaching: Multimedia, E-content - Satellite Based Communication: EDUSAT and ETV Channels. Communication through Web: Audio and Video applications on the Internet, Interpersonal Communication through the Web.

Unit IV: Pedagogy

Instructional Technology: Definition, Objectives and Types - Difference between Teaching and Instruction - Lecture Technique: Steps, Planning of a Lecture, Delivery of a Lecture - Narration in tune with the nature of different disciplines - Lecture with power point presentation - Versatility of Lecture technique - Demonstration: Characteristics, Principles, Planning Implementation and Evaluation - Teaching - learning Techniques: Team Teaching, Group discussion, Seminar, Workshop, Symposium and Panel Discussion - Modes of teaching: CAI, CMI and WBI.

Unit V: Teaching Skills

Teaching skill: Definition, Meaning and Nature - Types of Teaching Skills: Skill of Set Induction, Skill of Stimulus Variation, Skill of Explaining, Skill of Probing Questions, Skill of Black Board Writing and Skill of Closure - Integration of Teaching Skills - Evaluation of Teaching Skills.

Text Books:

1. Bela Rani Sharma. *Curriculum Reforms and Teaching Methods*. New Delhi: Sarup and Sons, 2007.
2. Don Skinner. *Teacher Training*, Edinburgh: Edinburgh University Press Ltd., 2005.

Reference Books:

1. Jonathan Anderson and Tom Van Weert. *Information and Communication Technology in Education: A Curriculum for schools and programme of teacher development*. UNESCO, 2002.
2. Kumar, K.L. *Educational Technology*. New Delhi: New Age International Publishers, 2008.
3. Mangal, S.K. *Essential of Teaching, Learning and Information Technology*. Ludhiana: Tandon Publications, 2002.
4. Michael, D and Willam. *Integrating Technology into Teaching and Learning: Concepts and Applications*. New York: Prentice Hall, 2000.
5. Pandey, S.K. *Teaching Communication*, New Delhi: Commonwealth Publishers, 2005.
6. Ram Babu, A and Dandapani, S. *Microteaching:Vol. 1 & 2*. Hyderabad: Neelkammal Publications, 2006.
7. Singh V.K and Sudarshan K.N. *Computer Education*. New York: Discovery Publishing Company, 1996.
8. Sharma, R.A. *Fundamentals of Educational Technology*. Meerut: Surya Publications, 2006.
9. Vanaja, M and Rajasekar, S. *Computer Education*. Hyderabad: Neel Kamal Publications, 2006.
