PAPER VI

DATA ANALYSIS AND INTERPRETATION – I

MAX MARKS: 100

EXTERNAL: 70

INTERNAL: 30

PASS: 40%

CREDITS: 6

Objective:

To introduce students to basic data processing and statistical techniques and to develop skills in data analysis, presentation and interpretation.

Course Outcomes:

After completion of this module, learners will be able to:

CO 1: Develop skills in data processing, coding and tabulation.

CO 2: Gain basic understanding of statistical tools and software.

CO 3: Understand descriptive statistics and their applications.

CO 4: Learn techniques of data presentation and basic analysis

Section A

Unit 1: Data Processing: Editing, coding, classification

Unit 2: Data entry and tabulation

Unit 3: Descriptive Statistics: Mean, median, mode & standard deviation

Unit 4**:** Frequency Distribution: Types and construction

Section B

Unit 5: Data Presentation: Tables, diagrams and graphs

Unit 6: Correlation: Meaning and types

Unit 7: Chi-Square Test: Conceptual understanding

Unit 8: t-Test: Basic introduction

Suggested Readings:

1. Baronov, David. Conceptual Foundations of Social Research Methods. London: Paradigm

Publishers, 2004.
2. Kothari, C. R. and Garg, G. (2019) Research Methodology: Methods and Techniques. New Age International Publishers
3. Kumar, C. R. (2011) Research Methodology. New Delhi: APH Publishing Corporation
4. Raj, Hans (2013) Theory and Practice in Social Research. Delhi: Surjeet Publication
5. Young, P. V. (1984) Scientific Social Surveys and Research. Prentice Hall India Learning Private Limited