



Karmaveer Bhaurao Patil University, Satara
(A State Public University Est. u/s 3(6) of MPUA 2016)
Faculty of Commerce and Management

Dhananjayrao Gadgil College of Commerce, Satara

Board of Studies in Statistics & Mathematics

Programme: B.Com I

Semester - II

Type : OE

Marks: 50

Credits : 2

From: A. Y. 2025-26

Name of the Course: Statistics Paper –II

Course Objectives:

1. To explain the scope of Statistics in business, perform analysis by using measures of Central Tendency.
2. To develop the ability to summarize the data by means of measures of dispersion.

Course Outcome:

The students will acquire;

1. Knowledge of Descriptive Statistics.
2. Knowledge about the univariate, data analysis.

Module	Title and Contents	Hrs
Module -1:	<p>Module -1: Measures of Central Tendency</p> <p>1.1 Concept of Central Tendency (Averages), Requirements of good statistical averages.</p> <p>1.2 Arithmetic Mean (AM): Definition, Combined Mean with numerical examples</p> <p>1.3 Median, and Mode, Empirical relation between mean, median and mode.</p> <p>1.4 Numerical Examples.</p>	15
Module -2:	<p>Module -2: Measures of Dispersion</p> <p>2.1 Concept of Dispersion, Concept of Absolute and Relative measures of Dispersion.</p> <p>2.2 Definition of Range, Variance</p> <p>2.3 Standard Deviation and their relative measures, Merits and Demerits,</p> <p>2.4 Numerical examples</p>	15

Reference Books:-

1. B. M. Agrawal, Essentials of Business Statistics, Ane Books Pvt. Ltd.2010
2. B. M. Agrawal, Business Mathematics and Business Statistics, Ane Books Pvt. Ltd.2009
3. R.S.N. Pillai and Bagavathi, Practical Statistics, S. Chand Publications.1987
4. S.P.Gupta, Statistical Methods, Sultan Chand & Sons 2021
5. C.B.Gupta, Introduction to Statistics, Vikas Publishing House Pvt.Ltd.2004
6. H.C.Saxena and J.N.Kapur, Mathematical Statistics. S. Chand Publications 2010

Note: Use of nonprogrammable calculator is allowed.

Evaluation Pattern:

Total Marks: 50

Internal Continuous Evaluation: 20 Marks

- Home Assignment/Tutorial - 10 marks
- Unit test/Seminar – 10 marks

End Semester Examination: 30 Marks

Each question for 10 Marks

- Question -1 MCQ 5 Out of 6 of 2 marks each
- Question -2 Long answer question with example
or
- Question -2 Long answer question with example
- Question -3 Long answer question with example
or
- Question -3 Long answer question with example