



**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 - I**

**Type :** OE

**Marks:** 50

**Credits :** 2

**From:** A. Y. 2025-26

**Name of the Course: Statistics Paper –I**

**Course Objectives:**

1. To explain the scope of Statistics in business, perform classification and tabulation; also represent the data by graphs.
2. To explain and apply sampling techniques in real life.

**Course Outcome:**

The students will acquire;

1. Knowledge of Descriptive Statistics.
2. Knowledge of Sampling techniques & Knowledge of graphical and diagrammatic representation of data.

<b>Module</b>	<b>Title and Contents</b>	<b>Hrs</b>
<b>Module -1:</b>	<p><b>Module -1: Introduction to Statistics</b></p> <p><b>1.1.</b> Meaning and scope of Statistics, Importance of Statistics, Primary and Secondary data, Discrete and Continuous variables, Basic terms / definition.</p> <p><b>1.2.</b> Frequency and Frequency Distribution, Cumulative frequency, Relative frequency.</p> <p><b>1.3</b> Classification and Tabulation: Bases of classification</p> <p><b>1.4</b> Methods of Classification (Inclusive, Exclusive) ,Examples</p>	15
<b>Module -2:</b>	<p><b>Module -2: Graphs/ Diagrams and Sampling</b></p> <p><b>2.1</b> Graphical representation: Histogram, Ogive curves, Examples.</p> <p><b>2.2</b> Diagrammatic Representation: Line diagram, Bar Diagram, Pie Diagram,</p> <p><b>2.3</b> Examples.</p> <p><b>2.4</b> Sampling Techniques- Population ,Sample, Simple Random Sampling with and without replacement, Lottery Method ,Random Number Method.</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