

Syllabus : Class XI : Statistics : Term I (Half Yearly) : Marks 35

Introduction to Statistics

Definition and limitations of Statistics. Sample and Population, Qualitative and quantitative data. Collection of Statistical data (Primary & Secondary). Classification, Tabulation and diagrammatic representation (Pie chart, Line diagram and Bar diagram) of data. Discrete and continuous variable. Questionnaire.

Frequency distribution and cumulative frequency distribution and their graphical representations (Histogram, Frequency Polygon, Frequency curve and Ogives).

Descriptive Statistics-I

Concept of Central Tendency, different measures of Central Tendency (Mean, Median and Mode). Quartiles, Deciles and Percentiles.

Table – 1 : Distribution of Marks : Half Yearly Examination, 2021-22

Topics	MCQ (2 Marks)	VSA (1 mark)	SA (2 Marks)
Introduction to Statistics	3	10	2
Descriptive Statistics I	2	5	3

Syllabus : Class XI : Statistics Practical : Term I (Half Yearly) : Marks 15

1. Drawing of Pie chart, Line diagram and Bar diagram.
2. Drawing of Histogram, Frequency Polygon, Frequency curve and Ogives.
3. Computation of A.M., G.M. and H.M. from ungrouped and grouped data.

Computation of Median and Mode, Quartiles, Deciles and Percentiles from ungrouped and grouped data.

Table-2 : Marks Distribution of Practical Examination : Marks 15

I Experiments (5 + 5)	10
2. Practical Note Book (PNB) and Viva Voce	5

Descriptive Statistics-II

Concept of Dispersions, different measures of dispersions (Range, Quartile deviation, Mean deviation and Standard deviation), Relative measures of dispersions (coefficient of variation)

Descriptive Statistics-III

Moments, Sheppard's correction for moments (without proof), Skewness and Kurtosis and their measures.