

Syllabus : 2022-23 : Class XI : Statistics : Marks 70

Half-Yearly Examination, 2022-23

1. Introduction to Statistics : Definition and limitation of Statistics; Sample and Population; Qualitative and Quantitative data; Collection of Statistical data (Primary & Secondary), Classification, Tabulation and Diagrammatic presentation of data (line diagram; bar diagram; pie chart); Discrete and Continuous variable; Questionnaire.

Frequency Distribution, Cumulative Frequency Distribution and their graphical representation (Histogram, Frequency polygon, Frequency curve and Ogives).

2. Descriptive Statistics I : Concept of Central Tendency, different measures of Central Tendency (Mean, median and Mode). Quartiles, Deciles and Percentiles.

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Blue Print of Distribution of Marks

Topic	MCQ (1)	VSA (1)	SA I (2)	SA II (3)	LA I (4)	LA II (5)	Total Marks
Introduction to Statistics	1x5	1x10	2x3	3x1	-	-	24
Descriptive Statistics I	1x5	1x10	2x2	3x3	4x2	5x2	46
Total marks	10	20	10	12	8	10	70
Total Q	10	20	5	4	2	2	43

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Annual Examination, 2023

1. 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).
2. Descriptive Statistics III : Moments; Sheppard's correction for Moments (proof not required); Skewness and Kurtosis and their measures.

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Blue Print of Distribution of Marks

Topic	MCQ (1)	VSA (1)	SA I (2)	SA II (3)	LA I (4)	LA II (5)	Total Marks
Descriptive Statistics – II	1x7	1x15	2x3	3x2	4x1	5x1	43
Descriptive Statistics – III	1x3	1x5	2x2	3x2	4x1	5x1	27
Total marks	10	20	10	12	8	10	70
Total Q	10	20	5	4	2	2	43