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Total No. of Questions: 07

Total No. of Pages : 02

B.Sc. (AI & ML) (Sem.-2) FUNDAMENTALS OF STATISTICS Subject Code : UGCA-1907 M.Code : 79856 Date of Examination : 13-12-22

Time: 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION-A

- 1. Write briefly :
 - a) Distrust of Statistics.
 - b) Primary Data Sources.
 - c) Statistical Errors
 - d) Classification of Data
 - e) Frequency Polygon
 - f) Histogram
 - g) Chronological Order of Data
 - h) Types of Tables.
 - i) Standard Deviation
 - j) Harmonic Mean

SECTION-B

2. Calculate standard deviation for the following data :

	r						
Size of item	6	7	8	9	10	11	12
Frequency	3	6	9	13	8	5	4

3. Calculate the mean from following data

x	0	1	2	3	4	5	6	7	8
f	1	8	28	56	70	56	28	8	1

- 4. What is frequency distribution? Describe the various ways by which a frequency distribution can be represented graphically.
- 5. Following are the data about the market share of 4 brands of TV Sets sold in Punjab and Haryana. Present the data by a pie diagram.

Brands of TV	Units sold in Punjab	Limits sold in Haryana
Samsung	480	625
LG	360	500
Onida	240	438
Sony	120	312

- 6. Write down the uses and importance of statistics. Is there any limitations of statistics? If yes, discuss also.
- 7. What are the different sources to collect Primary and Secondary? Explain each of them by listing their merits.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.