Total No. of Questions: 07

Total No. of Pages : 02

BCA (Sem.-2) FUNDAMENTALS OF STATISTICS Subject Code : UGCA-1907 M.Code : 77415 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) Discuss the nature of the Statistics.
 - b) Define primary data with the help of an example.
 - c) Define Qualitative classification.
 - d) State any two objectives of Tabulation.
 - e) Define bar diagrams.
 - f) Write down the formula for Harmonic mean.
 - g) Define median with the help of an example.
 - h) State the objective of dispersion.
 - i) Differentiate between Range and Inter-Quartile Deviation.
 - j) Write down the formula for coefficient of Standard Deviation.

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SECTION-B

- 2. What do you mean by rounding off or approximation of data? Discuss various rules of rounding off data.
- 3. Discuss briefly the various types of diagrams. What points should be taken into consideration while presenting the data diagrammatically?
- 4. In a sample study about the coffee habit in two towns, following data was observed:

Town A: 52% people were males

26% were coffee drinkers

18% were male coffee drinkers

Town B : 54% people were males

28% were coffee drinkers

20% were male coffee drinkers

Tabulate the above data.

5. Calculate mean age from the following data:

Age (Yrs.):	Less than 10	20	30	40	50	60	70	80
No. of Persons:	18	34	49	61	71	76	78	79

6. Calculate coefficient of Standard deviation from the following data:

X:	More than or equal to 0	10	20	30	40	50	60	70
f:	100	90	75	50	25	15	5	0

7. Find Quartile Deviation (Q.D) from the following data:

Age (Yrs.):	0-20	20-40	40-60	60-80	80-100
Persons:	4	10	15	20	11

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.