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Total No. of Pages : 02

Total No. of Questions : 07

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.

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.