

Roll No.

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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 : 21-05-2025

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. Statistics
 - b. Primary and secondary data
 - c. Histogram
 - d. Objectives of tabulation
 - e. Rounding off data
 - f. Range and its Coefficient
 - g. Standard deviation
 - h. Continuous frequency distribution
 - i. Geometric mean
 - j. Mode

SECTION - B

2. Discuss scope and limitation of statistics.
3. What are the different methods of collecting primary data? Explain any two methods with their merits and demerits.
4. What do you mean by diagrammatic representation of data? Discuss its utility. What are the advantages and disadvantages of using diagrams for the presentation of data?
5. Calculate Mean and Median for the following data :

Marks: Below	20	30	40	50	60	70	80	90
No. of students:	4	16	56	97	124	137	146	150

6. Calculate range and standard deviation for the following:

Weight (in kgs)	44-46	46-48	48-50	50-52	52-54
No. of persons:	3	24	27	21	5

7. a) Following is the data about the market share of four brands of TV sets sold in Amritsar. Present the data by a pie diagram:

Brands of TV sets	Samsung	LG	Onida	Sony
Units sold in Amritsar	625	500	438	312

- b) Draw more than type Ogive for the following data:

Weight (in kgs)	40-45	45-50	50-55	55-60	60-65	65-70	70-75
No. of students	3	5	9	12	5	4	2

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