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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 : 07-06-2023

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) Ogive
- d) Objectives of classification
- e) Rounding off data
- f) Discrete Frequency Sistribution
- g) Mean deviation
- h) Range and its Coefficient
- i) Harmonic mean
- j) Median.

SECTION-B

2. Discuss the functions and importance of statistics
3. What are the different methods of collecting data? Explain briefly the various sources of collecting secondary data.
4. What are the components of a statistical table? State the general rules for the construction of a table.
5. Calculate Mean and Mode from 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. Prices of a particular commodity in five years in two cities are given below :

Price in City A:	20	22	19	23	16
Price in City B:	10	20	18	12	15

From the above data find which city had more stable prices.

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

Brands of TV sets	Samsung	LG	Onida	Sony
Units sold in Jalandhar	480	360	240	120

- b) Draw less 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