



K23U 2575

Reg. No. : .....

Name : .....

V Semester B.A./B.A. Afsai-UI-Ulama/B.Sc./B.Com./B.T.T.M./B.B.A./B.B.A.-  
T.T.M./B.B.A.-A.H./B.C.A./B.S.W./B.M.M.C. Degree (CBCSS – OBE –  
Regular/Supplementary/Improvement) Examination, November 2023  
(2019-2021 Admissions)  
Generic Elective Course  
5D01 STA : BASICS OF STATISTICS

Time : 2 Hours

Max. Marks : 20

## PART – A

(Answer all questions. Each carries 1 mark.)

(6×1=6)

1. The word "Statistics" in plural sense refers to \_\_\_\_\_.
2. If an experiment is conducted to know the effect of a drug on the patients, the observations taken on each patient constitute the \_\_\_\_\_ data.
3. Name the type of classification in which the data are arranged according to attributes.
4. Which type of average is most suitable for the normal size of shirts for a readymade garment's manufacturer ?
5. \_\_\_\_\_ is the average of the squares of the deviations taken from mean.
6. Give the formula for coefficient of variation.

## PART – B

(Answer any 4 questions. Each carries 2 marks.)

(4×2=8)

7. Define statistics in the singular sense.
8. Define a population and a sample.
9. What is meant by tabulation of data ?

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10. What are the characteristics of a good average ?

11. Compute the median of the following data :

48, 35, 36, 40, 42, 54, 58, 60.

12. Define variance.

## PART – C

(Answer any 1 question which carries 6 marks.)

(1×6=6)

13. The regional rainfall indices during the year 2016 to 2018 are given below :

Year	Zone		
	East	West	Centre
2016	84	78	87
2017	104	76	77
2018	108	121	90

Represent the data by a multiple bar diagram.

14. The following data give the distribution of weight of boys and girls in a class :

	Boys	Girls
Number	100	50
Mean weight (in Kg)	60	45
Variance	9	4

Find the standard deviation of the combined data.