



K21U 6818

Reg. No. :

Name :



I Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2021
(2019 Admission Onwards)

COMPLEMENTARY ELECTIVE COURSE IN STATISTICS
(For Geography/Psychology)
1C01STA (G&P): Descriptive Statistics

Time : 3 Hours

Max. Marks : 40

PART – A
(Short Answers)

Answer **all** questions.

(6×1=6)

1. Define data.
2. Name any two diagrammatic representation of data.
3. Define dispersion.
4. Define raw moments.
5. Name various measures of central tendency.
6. What is meant by a sampling unit ?

PART – B
(Short Essay)

Answer **any 6** questions.

(6×2=12)

7. Distinguish between primary and secondary data.
8. What-is meant by a pie diagram ?
9. What is the G.M. of 0, 3, 5, 8, 2, 8 ?
10. How can one calculate median in case of ungrouped data ?
11. Give a measure of kurtosis. Also give its formula.

P.T.O.



12. For a distribution with mean = 15, median = 12 and mode = 10, comment on the skewness of the distribution.
13. What is meant by probability sampling ?
14. Name any four non-probability sampling methods.

PART – C
(Essay)

Answer **any 4** questions. (4×3=12)

15. Distinguish between discrete and continuous frequency tables.
16. What is meant by cumulative frequency curve ? How can it be used to obtain median ?
17. What are the merits of median ?
18. Explain the term skewness. Describe various measures to calculate it.
19. Distinguish between sampling and non-sampling error.
20. Define secondary data. Explain the methods for collecting it.

PART – D
(Long Essay)

Answer **any 2** questions : (2×5=10)

21. Represent the following data by a histogram :

Marks in English	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50
No. of Students	3	20	20	15	6

22. Calculate the arithmetic mean of the following data :

X	10 – 20	20 – 40	40 – 70	70 – 120	120 – 200
f	4	10	26	8	2

23. Find standard deviation and variance of the following data :

Class	0	20	40	60	80
Frequency	250	169	129	63	14

24. Describe census and sampling. Specify their merits and demerits.