FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U PSY1 C02 - DESCRIPTIVE STATISTICS

(Complementary Course)

(2019 Admission onwards)

Time : 2.00 Hours   Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* question. Each question carries 2 marks.

1. Explain the uses of statistics.

2. Define population.

3. Explain Data.

4. What are the advantages of a diagrams?

5. What do you mean by frequency curve?

6. State the properties of AM.

7. Write any two merits of mode.

8. Define geometric mean.

9. What is meant by a measure of dispersion?

10. Define range.

11. Define mean deviation.

12. Define kurtosis.

(Ceiling: 20 Marks)

Part B (Short essay questions)

Answer *all* question. Each question carries 5 marks.

13. Explain the steps involved in planning a statistical survey.

14. What is meant by classification ? Briefly explain the different types of classification of data.

15. Explain any two graphical representation of data.

16. Calculate median.

Central wage in Rs.	15	20	25	30	35	40	45
No. of wage earners	3	25	19	16	4	5	6

17. Define geometric mean.Explain its merits and demerits.

18. From the following calculate upper and lower quartiles Q_1 and Q_3.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	8	10	22	25	10	5

19. Calculate Bowley's measures of skewness from the data below.

Marks	10-20	20-30	30-40	40-50	50-60
No. of Students	8	10	12	8	4

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. Each question carries 10 marks.

20. Define measures of central tendancy .Explain its merits and demerits.

21. Calculate SD and mean deviation about mean for the following data.

Class interval	0-20	20-40	40-60	60-80	80-100
Frequency	8	21	35	31	5

(1 × 10 = 10 Marks)

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