Reg. No. : ....

Name : ....

First Semester B.A. Degree Examination, November 2019

First Degree Programme under CBCSS

Complementary Course for Economics

ST 1131.4 – STATISTICS I

(2017 Admission Onwards)

Time : 3 Hours   Max. Marks : 80

PART I

Answer all questions. Each question carries 1 mark :

1. A grouped frequency distribution with uncertain first or last classes in known as
    ————————.

2. A variable which assumes only integral values is called ——————————.

3. A qualitative characteristic is also known as ——————————.

4. Class interval is the difference between ——————————.

5. State true or false "Statistics reveals the average behaviour".

6. Expand MOSPI.

7. Name the largest organization in India, conducting regular socio-economic surveys.

8. The ordinate of the point of an ogive whose X-coordinate is the median is _____.

9. State true or false "The total area under a relative frequency curve is one".

10. On which day "National Statistics day" is celebrated in India.

(10 × 1 = 10 Marks)

PART – II

Answer any eight questions. Each question carries 2 marks :

11. Distinguish between Census and Sampling.

12. When we use Multiple bar diagram?

13. Explain Misuses of Statistics.

14. What is meant by Tabulation?

15. Explain Lottery method.

16. Explain the construction of pie diagram.

17. What are the limitations of Census?

18. Explain frequency curve.

19. What are the limitations of statistics?

20. Name some applied areas in which statistics used?

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21. Define Secondary data. What are the main sources of secondary data?

22. What are the merits of frequency table?

(8 × 2 = 16 Marks)

PART – III

III. Answer **any six** questions. Each question carries **4** marks :

23. Explain the validity an objectivity of a questionnaire.

24. Write about sampling errors.

25. Explain multistage sampling.

26. Explain the construction of a histogram.

27. Differentiate between simple random sampling with replacement and without replacement.

28. Explain Stratified sampling with the help of an example.

29. Explain Stratified Random Sampling.

30. Write about classification of data.

31. Construct a frequency table for the following data :

    10, 5, 8, 7, 4, 2, 25, 35, 47, 52, 10, 15, 9, 7, 6, 18, 44, 58, 35, 6, 59, 62, 25, 68, 70

(6 × 4 = 24 Marks)

PART – IV

Answer **any two** questions. Each question carries **15** marks :

32. Explain the functions, scope and importance of Statistics.

33. Write a note on various Statistical organizations and its functions in centre and state.

34. Represent the data by (a) an appropriate bar diagram (b) a pie diagram :

Family	I	II
Food	1500	1750
Rent	7000	6500
Fuel	850	1450
Others	3500	4000

35. Draw less than and greater than curve and a histogram using the following data :

Weight	10-15	15-20	20-25	25-30	30-35	35-40	40-45
No. of students :	3	5	12	18	14	6	2

(2 × 15 = 30 Marks)

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