B.Sc. DEGREE EXAMINATION,NOVEMBER 2018
I Year I Semester
Core Major - Paper I
DESCRIPTIVE STATISTICS

Time : 3 Hours **Max.marks :60**

Section A $(10 \times 1 = 10)$ Marks

Answer any **TEN** questions

1. Define primary data.
2. What is the difference between ordinal and nominal scale.
3. Define Ogives.
4. What are the parts of a table?
5. Define Inter-quartile range.
6. What is kurtosis?
7. What is scatter diagram?
8. Define Karl Pearson's coefficient of correlation.
9. What is contingency table?
10. Give the conditions of consistency.
11. Define skewness
12. Explain about coefficient of colligation.

Section B $(5 \times 4 = 20)$ Marks

Answer any **FIVE** questions

13. Explain about different measurement scales.
14. Discuss in detail about Lorenz curves.
15. State any two merits and demerits of Median.
16. Define regression. What are regression equations?
17. Explain about Yule's coefficient of association.
18. What is spearman's rank correlation coefficient? Bring out its usefulness.
19. State the types of skewness.

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Describe about the scope of statistical methods and their limitations.
21. Explain (i) Bar diagram (ii) Pie chart (iii) Histogram with an example.
22. Describe the various measure of dispersion.
23. Show that (i) $r = \pm\sqrt{bxy \times byx}$ (ii) Regression coefficients are independent of change of origin but not of scale.
24. Write a short note on association of attributes.

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