**B.Sc. DEGREE EXAMINATION, NOVEMBER 2015.**

**I YEAR — I SEMESTER**

**Major Paper I — DESCRIPTIVE STATISTICS**

**Time : 3 hours Max. Marks : 75**

**SECTION A — (10 × 2 = 20 marks)**

**Answer any *TEN* questions.**

1. What is a primary data?

2. Define Interval Scale.

3. Mention the types of classification.

4. What are Ogives?

5. Write down the empirical formula to calculate mode.

6. Define coefficient of variation.

7. Define correlation coefficient.

8. Write a note on scatter diagram.

9. Write the formula to measure the yule’s coefficient of association.

10. Define independence of attributes.

11. Define continuous data.

12. Mention the various diagrams used to represent data.

**SECTION B — (5 × 5 = 25 marks)**

**Answer any *FIVE* questions.**

13. What are the requisits of a good Questionnaire?

14. Mention the main parts of a table.

15. Explain the formula to calculate median.

16. Write down the normal equations for fitting a straight line and parabola.

17. Explain the consistency of data with an example.

18. Explain the types of correlation.

19. Explain order of classes and class frequencies.

**SECTION C — (3 × 10 = 30 marks)**

**Answer any *THREE* questions.**

20. Explain the limitations of statistical methods.

21. Explain the graphical representation of a frequency distribution with example.

22. Explain the various relative measures of coefficient of skewness.

23. Write down the properties of correlation coefficient and derive the two lines of regression.

24. Explain the various measures of Association.

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