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

**I YEAR — I SEMESTER**

**Major Paper I — DESCRIPTIVE STATISTICS**

**Time : 3 hours Max. Marks : 60**

**SECTION A — (10 × 1 = 10 marks)**

**Answer any *TEN* questions.**

1. Define Statistics
2. What are the requisites of a reliable data?
3. State the objective of classification of data.
4. State the uses of Ogive curve.
5. Define average.
6. Define Skewness.
7. What do you mean by regression coefficient?
8. Define Rank correlation.
9. What do you mean by order of class?
10. State Yule’s coefficient of Association.
11. State the uses of Diagrams.
12. Define Kurtosis.

**SECTION B — (5 × 4 = 20 marks)**

**Answer any *FIVE* questions.**

1. Describe about the primary and secondary data.
2. Explain the different types of classification of data.
3. Discuss concept of Dispersion.
4. Calculate Karlpearson’s coefficient correlation for the following data:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| x | 1 | 3 | 5 | 8 | 9 | 10 |
| y | 3 | 4 | 8 | 10 | 12 | 11 |

17. Discuss about the measure of association of data

18. Explain about Rank correlation.

19. Explain about the properties of Yule’s coefficient.

**SECTION C — (3 × 10 = 30 marks)**

**Answer any *THREE* questions.**

20. Explain about the different methods of collecting primary data.

21. Discuss about the various diagrammatic representation of data.

22. Explain the purpose of measuring skewness with its types.

23. What is the need of regression analysis? Explain it with two regression equation.

24. Explain the different kinds of association of attributes with a situation.

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