B.Sc. DEGREE EXAMINATION,APRIL 2019
I Year I Semester
Descriptive Statistics

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

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

Answer any **TEN** questions

1. Give any two important scope and uses of statistics.
2. Give the sources of primary data.
3. Give two examples for ordinal scale of measurement.
4. Write down the parts of a statistical table.
5. What are the various graphical representation of a statistical data?
6. What is an Ogive curve?
7. Define dispersion.
8. What is Skewness?
9. List out the properties of correlation coefficient.
10. Why do we need two regression lines?
11. What is an attribute?
12. Write down the formula for Yules coefficient of colligation.

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

Answer any **FIVE** questions

13. Write down the limitations of statistics.
14. Explain secondary data and also give its sources.
15. Explain the construction of Histogram.
16. Write short notes on Kurtosis.
17. Explain scatter diagram.
18. Distinguish between correlation and regression.
19. Describe contingency table.

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

Answer any **THREE** questions

20. Explain the scales of measurement in detail with an example each.
21. Explain the various diagrammatic representation of a statistical data.
22. Find mode from the following frequency distribution.

Size:	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Value:	**3**	**8**	**15**	**23**	**35**	**40**	**32**	**28**	**20**	**45**	**14**	**6**

23. Compute correlation coefficient for the following data:

X:	**65**	**66**	**67**	**67**	**68**	**69**	**70**	**72**
Y:	**67**	**68**	**65**	**68**	**72**	**72**	**69**	**71**

24. 800 candidates of both sexes appeared at an examination. The boys outnumbered the girls by 15% of the total. The number of candidates who passed exceed the number failed by 480. Equal number of boys and girls failed in the examination. Prepare a 2 x 2 table and find the coefficient of association. Also give your comments.

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