

(AUTONOMOUS)
BA DEGREE EXAMINATION DECEMBER 2017
(Third Semester)

Branch- **SOCIOLOGY**

SOCIAL STATISTICS -1 WITH COMPUTER APPLICATIONS

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Define simple random sampling.
- 2 What is sampling errors?
- 3 What are the types of tables?
- 4 Give the types of diagrams.
- 5 Define Range.
- 6 What is dispersion?
- 7 Define Kurtosis.
- 8 Give the types of correlation.
- 9 How to draw Ogive curve using MS Excel?
- 10 How to find Quartile deviation using MS Excel?

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a What are the limitations of statistics?
OR
b What are the merits and demerits of primary data?
- 12 a Describe shortly about pictograms and cartograms.
OR
b Describe shortly about the Ogives.
- 13 a Find the mean and standard deviation for the following data.
C. I: 0-10 10-20 20-30 30-40 40-50
F: 2 5 9 3 1
OR
b What are the characteristics of good average?
- 14 a Calculate the correlation coefficient from the following data.
x: 1 3 5 8 9 10
y: 3 4 8 10 12 11
OR
b Describe shortly about the scatter diagram.
- 15 a Explain the steps to find Histogram using MS Excel.
OR
b How does the MS Excel helpful to find Mean, Median, Mode?

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Describe briefly about the characteristics of a good questionnaire.
- 17 Explain briefly about the types of diagrams.
- 18 Find the mean, median and mode from the following data
Salary: 3-5 5-8 8-10 10-15 15-20 20-30 30-50
No. of persons: 10 25 52 173 108 36 16
- 19 Calculate the coefficient of rank correlation from the following data:
X: 68 64 75 50 64 80 75 40 55 64
Y: 62 58 68 45 81 60 68 48 50 70
- 20 Explain in detail about how to find standard deviation and coefficient of