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Reg. No. :

Name :

Third Semester M.A. Degree Examination, January 2016

Branch : Sociology

(2013 Admission Onwards)

SO 233 – SOCIAL STATISTICS

Time : 3 Hours

Max. Marks : 75

PART – A

Answer **all** questions. Define or Explain the following in **not** more than **50** words **each**. **Each** question carries **2** marks.

1. T-test.
2. Standard error.
3. Nominal Scale.
4. Rating Scale.
5. Linear Regression.
6. Multivariate Analysis.
7. Chi-Square test.
8. Ordinal variables.
9. Levels of measurement.
10. SPSS.

(10×2=20 Marks)

PART – B

Answer **any five** of the following questions in **not** more than **250** words **each**. **Each** question carries **5** marks.

11. Describe the role of statistics in social research.
12. Distinguish between Interval Scale and Ratio Scale.

P.T.O.



13. Calculate the standard deviation of the following distribution.

Age : 10 – 15, 15 – 20, 20 – 25, 25 – 30, 30 – 35, 35 – 40

No. of

Persons : 150, 100, 110, 90, 45, 40

14. Define central tendency and discuss three common measures of central tendency. Calculate the mean income of the 5 families in a city.

Income

Per month Rs. 10,000, 25,000, 32,000, 18,000, 12,500

15. Explain the meaning, types and methods of studying correlation.

16. Write a brief note on Test of significance.

17. What do you mean by the term 'histogram' ?

18. Bring out the limitations of the application of statistics in Social science research.

(5×5=25 Marks)

PART – C

Answer **any two** of the following questions in **not more than 1200 words each**. Each question carries **15** marks.

19. Discuss the role of correlation and regression analysis in statistics.

From the following data obtain two regression equations.

X 6 2 10 4 8

Y 9 11 5 8 7

20. Define Rank correlation and discuss its importance in data analysis in Social Science Research.

Find the Rank correlation coefficient from the marks of 10 students in Maths (X) and Science (Y).

X 100, 67, 78, 58, 75, 61, 40, 38, 85, 56

Y 85, 63, 76, 48, 74, 45, 28, 65, 68, 67

21. Bring out the importance of computer and internet in Social Science Research.

22. Define statistics and explain descriptive and inferential statistics.

(2×15=30 Marks)