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H – 4210

Reg. No. :

Name :

Third Semester M.A. Degree Examination, January 2020

Sociology

SO 233 – SOCIAL STATISTICS

(2013–17 Admissions)

Time : 3 Hours

Max. Marks : 75

PART – A

Answer **all** questions.

Define or explain the following in not more than **50** words. Each question carries **2** marks.

1. Histogram
2. Descriptive Statistics
3. Variable
4. Nominal Scale
5. Quantitative Research
6. Social Statistics.
7. Polygon
8. Ratio
9. Simple table
10. Sampling.

(10 × 2 = 20 Marks)

P.T.O.



PART – B

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

11. Explain the meaning and importance of Central tendencies.
12. Distinguish between Mean Deviation and Standard Deviation
13. Discuss the uses of Pie Chart
14. Describe the uses of SPSS.
15. Briefly explain the role of internet in social research.
16. Define Mean and Calculate the mean of the following items:
38,46,57,84,78,36,69,94,52,42.
17. Explain the term Range and calculate the Range and its Coefficient of the profits of a Company for the last 10 years

| | | | | | |
|--------------|------|------|------|------|------|
| Years | 2007 | 2008 | 2009 | 2010 | 2011 |
| Profit (Rs.) | 400 | 300 | 800 | 1000 | 1020 |
| Years | 2012 | 2013 | 2014 | 2015 | 2016 |
| Profit (Rs.) | 900 | 2000 | 2200 | 2500 | 3000 |

18. What is Tests of Significance?

(5 × 5 = 25 Marks)



PART – C

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

19. Discuss the purpose of applying Co-relation and Regression Analysis in Social Science Research.
20. Explain the advantages and disadvantages of application of Statistics in Social Science Research.
21. What is Spearman's Rank Correlation Coefficient? Bringout its usefulness. How does this Coefficient differ from Karl Pearson's Coefficient of Correlation.
22. Discuss the common measures of Dispersion and bring out the properties of Dispersion. Calculate Standard Deviation of the following Data

| | | | | | |
|------------------|-------|-------|-------|-------|-------|
| No. of Employers | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 |
| No. of firms | 6 | 11 | 14 | 6 | 3 |

(2 × 15 = 30 Marks)

