TM142500A

M.A DEGREE (CSS) EXAMINATION, APRIL 2015
SECOND SEMESTER – CORE (SOCIOLOGY)
SOC2SS – STATISTICS FOR SOCIOLOGY

Time : Three Hours   **Maximum Weight: 30**

PART A
(Short Answer Questions)

I. Answer any *FIVE* questions in not more than one page each.
Each question carries a weight of *1*.

1. Null Hypothesis

2. Scatter diagram

3. Dispersion

4. Type 1 Error

5. Significance Level

6. Standard Deviation

7. Statistical Method

8. Ogive

(5 x 1 =5)

PART B
(Short Essay Questions)

II. Answer any *FIVE* questions in not more than two pages each.
Each question carries a weight of *2*.

9. Explain the use of computer in statistical analysis.

10. Find the Standard Deviation for the following values.

    4, 8,10,12,15,9,7,7

11. Explain the properties of a good average and its application.

12. Find the Median for the following data.

    35,23,45,50,80,61,92,40,52,61

(P.T.O)

13. What is Histogram? Draw a Histogram for the following data.

   Marks: 10-15, 15-20, 20-25, 25-30, 30-35

   No. of students: 5   20   47   38   10

14. Write on various kinds of Graphs presenting frequency distribution.

15. Explain Chi-square test with a suitable example.

16. Write a note on characteristics and functions of Statistics in social research.

(5 x 2= 10)

PART C
(Essay Questions)

III. Answer any *THREE* questions. Each question carries a weight of *5*

17. Describe the measures of Dispersion.

18. Detail the uses of central tendencies in social research with the help of suitable examples.

19. Explain the use and importance of various Graphs and Diagrams in statistical analysis

20. Calculate Karl Pearson's Correlation Coefficient.

   x: 2   3   4   5   6   7   8

   y: 4   5   6   12   9   5   4

21. What is Probability? Use probability application in following cases.

   A ball is drawn from a bag containing 4 white, 6 black and 5 green balls. Find the probability that a ball drawn is (1) white; (2) green; (3) black; (4) not green; (5) green or white.

(3 x 5 = 15)

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