



Date: 24-04-2025

Dept. No. 

Max. : 100 Marks

Time: 09:00 AM - 12:00 PM

**SECTION A****Answer ANY FOUR of the following****4 x 10 = 40 Marks**

1. Explain the role of basic statistical methods in understanding social phenomena.
2. Describe the types of averaging in social research.
3. Elucidate the importance of sampling in social research.
4. Highlight the various steps in testing of hypothesis.
5. Differentiate between population and sample in statistics.
6. Write the formulae to calculate mean and median in discrete and continuous series.
7. Describe correlation and regression.
8. Calculate the mean and median age for the following data:  
25, 30, 35, 40, 45, 50, 55

**SECTION B****Answer ANY THREE of the following****3 x 20 = 60 Marks**

9. Describe probability sampling methods.
10. Calculate the mean, median and mode for the data: 12, 15, 18, 20, 22 and 25.
11. Define hypothesis and explain its types.
12. What is standard deviation? Explain its usage in social research.
13. The scores of students in a subject is given below. Calculate the mean and median score:  
88, 92, 79, 85, 91, 78, 84, 95, 89 and 76.
14. Highlight on the importance of use of statistical techniques in social research.

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