

**B.Sc. MEDICAL SOCIOLOGY
SECOND YEAR
PAPER IV – SOCIAL RESEARCH**

Q.P. Code: 802254

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain the role of statistics in preventive medicine.
2. Discuss the purpose and steps in Social Research.
3. Explain the types of observations in Medicine.

II. Write notes on:

(8 x 5 = 40)

1. Estimation.
2. Presentation of Data.
3. Bias in Research.
4. Power of the Test.
5. Characteristics of Frequency Distribution.
6. Write on scientific report.
7. Write on Point Estimation and Confidence Interval.
8. In a study, 12 arthritis patients were subjected to ESR Estimation. The data were as follows. Calculate Standard deviation and interpret your result?
35, 33, 32, 30, 36, 31, 63, 37, 30, 30, 72, 35

III. Short answers on:

(10 x 3 = 30)

1. Line Diagram.
2. Scatter Diagram.
3. Cohort study.
4. Social survey.
5. Cronbach's alpha.
6. Range and its coefficient.
7. Application of statistics.
8. Need for research design.
9. Measures of variation.
10. P Value.
