

Q.P.Code: 315005 (New Scheme)

Reg. No.....

**Third Professional B.S.M.S Degree Supplementary Examinations
March 2019**

Research Methodology and Medical Statistics

(2013 Scheme)

Time: 3 hrs

Max. Marks: 100

- **Answer all the questions**
- **Draw diagrams wherever necessary**

Essay:

(2x10=20)

1. Define research design. Discuss in detail about randomized control trial.
2. Mention sources of data. Describe the methods of data collection.

Short Notes:

(10x5=50)

3. Ethical issues in research
4. Descriptive studies
5. Interpretations of the results.
6. Prevention of adverse drug reactions
7. Cross sectional study
8. Traditional methods to identify the quality of the prepared medicine
9. Blinding in clinical trial
10. Scientific writing
11. Importance of research question
12. Clinical data management

Answer briefly:

(10x3=30)

13. Normal distribution
14. Types of clinical trial
15. t -test
16. Quantitative data
17. Secondary data
18. Pie diagram
19. Phase I clinical trial
20. Responsibilities of sponsor
21. Vulnerable population
22. Chi -square test.
