

Q.P.Code: 315005 (New Scheme)

Reg. No.....

**Third Professional B.S.M.S Degree Supplementary Examinations
March 2018**

Research Methodology and Medical Statistics

(2013 Scheme)

- Answer all the questions
- Draw diagrams wherever necessary

Time: 3hrs

Max. Marks: 100

Essay:

(2x10=20)

1. Elaborate on toxicity studies using animal experiments
2. Explain summary measures – Range, Mean, Standard deviation, Confidence interval

Short Notes:

(10x5=50)

3. Explain different phases of clinical trial
4. Different steps in test of significance
5. Data and types of data
6. Types of sampling
7. Drug monograph contents
8. Role of IAEC
9. Hospital statistics
10. Normal distribution
11. Uses of health surveys
12. Basic and applied research

Answer briefly:

(10x3=30)

13. Pharmacological studies
14. Randomization
15. Sampling errors
16. Data collection methods
17. Consent form for clinical research
18. Vital statistics
19. Need for evidence based medicine
20. Clinical trial registry of India
21. In vivo studies
22. Intellectual property rights (IPR)
