

# 2016 Scheme

Q.P. Code: 325005

Reg. No.....

## Third Professional B.S.M.S Degree Supplementary Examinations October 2021

### Research Methodology and Medical Statistics

Time: 3 hrs

Max. Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers

#### Essays:

(2x15=30)

1. Explain in detail about clinical trials, types and their level of evidence and phases of clinical trials
2. Define Institutional Ethics Committee; Write about its composition, significant role in research and the four cardinal principles of research ethics

#### Short Notes:

(10x5=50)

3. Boolean Search
4. Explain briefly about case – control study
5. What is case report form and write its importance in clinical research
6. Describe about pilot study
7. Intellectual property right
8. What is informed consent process and write its different forms
9. Explain about measures of central tendency
10. Describe about Chi square test
11. The role of Tables in data presentation
12. Data analysis and steps involved in it

#### Answer briefly:

(10x2=20)

13. Epidemiology
14. Difference between open and blinded clinical study
15. Define reliability
16. Write full form of • CDSCO • NABH • DCGI • CTRI
17. Name any five databases for literary search
18. Case fatality rate
19. Define statistics
20. Type I error
21. What do the terms 'population' and 'sample' refer to in research
22. Define p – value

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