

# 2016 Scheme

Q.P. Code: 325005

Reg. No.....

## Third Professional B.S.M.S Degree Regular Examinations March 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. Write a detailed note on literary review, sources of literature, search strategies and its uses
2. Define research and describe about the various types of research

#### Short Notes:

(10x5=50)

3. Write about the phases of clinical trials
4. Describe briefly about interim review
5. Explain briefly about the measures of association
6. The steps involved in research process
7. Explain the four cardinal principles of research ethics
8. Describe about cohort study
9. Uses of vital statistics
10. Give a brief note on t – test and its types
11. Normal distribution
12. Describe the types of non-probability sampling

#### Answer briefly:

(10x2=20)

13. FINER
14. Hypothesis and write its types
15. Define variability
16. Explain bias and why is it to be avoided in research
17. Write full form of • CPCSEA • OECD • MeSH • IRB
18. Infant mortality rate
19. Name any four types of software used for statistical analyses
20. Type II error
21. Quartile and percentile
22. Geometric mean

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