

**First Year M.Sc Nursing Degree Supplementary Examinations
March 2019**

Nursing Research and Statistics

(Common for all specialties)

(2010 Scheme)

Time: 3 hrs

Max marks: 100

- Answer all questions.
- **Write Section A (52 Pages) and Section B (32 Pages) in separate answer books. Do not mix up questions from Section A and Section B.**
- Use only ordinary calculator.

Q.P.Code 103375**Section A - Nursing Research****Marks: 75****Essays**

1. Differentiate between questionnaire and structured interview method of data collection in nursing research. Explain the steps in development of a questionnaire. (12+8)
2. Describe the scope and importance of research in nursing. Briefly explain the problem solving process. (10+5)
3. Explain the importance and sources of review of related literature. Describe the steps of literature review (8+7)
4. What are the advantages and disadvantages of experimental research design. (10)

Short notes**(3x5=15)**

5. Enumerate the types of hypotheses
6. Characteristics of good sample
7. Significance of conceptual frame work

Q.P.Code 104375**Section B - Statistics****Marks: 25****Essay**

1. What are the levels of measurement. The data given below pertains to the HbA1c levels of 100 subjects. Calculate mean, median, and mode for the same data. (2+8)

HbA1c (%)	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18
Frequency	2	12	20	40	20	6

Short notes**(3x5=15)**

2. Narrate the properties and importance of normal distribution
3. Differentiate "t" test and one way ANOVA with the help of examples
4. Importance of computers in data analysis