

Reg. No.:.....

**First Year M.Sc Nursing Degree Supplementary Examinations**  
**September 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. Describe utilization of research findings. What are the barriers to utilize nursing research findings. How to improve research utilization in nursing. (3+8+9)
2. Classify non-probability sampling techniques with examples. (15)
3. Explain the current trends in nursing research (15)
4. Discuss the difference between basic and applied research (10)

**Short notes**

**(3x5=15)**

5. Ethics in nursing research
6. Uses of conceptual framework in nursing research
7. Types of hypothesis with examples

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

**Essay**

1. The body weight (in kilograms) of 13 diabetic patients aged above 50 yrs are given below.  
69.4, 76.2, 70.9, 80.1, 68.8, 74.0, 76.7, 68.6, 74.8, 69.4, 76.7, 73.7, 76.7  
Calculate various measures of dispersion. (10)

**Short notes**

**(3x5=15)**

2. Explain the different types of diagramatic presentation of data and its advantages
3. Wilcoxon signed rank test
4. Properties of Karl Pearson correlation coefficient

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