

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

**Nursing Research & Statistics  
(Common for all specialties)  
(2016 Scheme)**

Time: 3 hrs

Max Marks: 100

- Answer all questions
- **Write Section A (52 Pages) and Section B (32 Pages) in Separate answer books**
- Draw Diagrams wherever necessary

Q.P. Code: 113375

Section A – Nursing Research

Max. Marks: 75

**Long Essays:**

(2x15=30)

1. Explain the steps involved in conducting a research to assess the effectiveness of yoga therapy on fatigue.
2. Describe the steps of review of literature for the above mentioned topic.

**Short Essays:**

(3x10=30)

3. Explain the types of research designs
4. Explain probability sampling
5. Explain the steps of quantitative data analysis

**Short Notes:**

(3x5=15)

6. Components of problem statement
7. Pilot study
8. Grounded theory

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Section B – Statistics

Max. Marks: 25

**Long Essays:**

(10)

1. A study of between physical activity and obesity was conducted. Physical activity was measured using a physical activity questionnaire with a total score of 80. The data given below were obtained for obese and non-obese women. Name the appropriate test to compare the mean physical activity between the two groups. Perform the test at 5% level of significance. [critical value = 1.96]

Groups	Mean	SD (units)	N
Obese women	50	14.2	110
Non-obese women	70	13.7	110

**Short Notes:**

(3x5=15)

2. Vital health statistics
3. Standard deviation
4. Randomized block design

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