

**First Year M.Sc Nursing Degree Regular/Supplementary Examinations  
November 2023**

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

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
- 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. • Draw Diagrams wherever necessary.
- The use of a simple calculator is allowed, but using scientific calculator or sharing any calculator is strictly prohibited under any circumstance.

Q.P. Code: 113375

Section A – Nursing Research

Max. Marks: 75

Long Essays:

(2x15=30)

1. A study to assess the effectiveness of a structured-teaching programme regarding life-style modifications on knowledge and practice among diabetic clients in a rural area.
  - Describe the best suited study design.
  - List the objectives, variables, hypothesis and tools for the study.
2. Define sample and explain the types of sampling methods in detail with suitable Examples.

Short Essays:

(3x10=30)

3. Application of theory in research.
4. Discuss on validity and reliability of research instruments
5. Evidence based practice.

Short Notes:

(3x5=15)

6. Importance of review of literature.
7. Quasi experimental design.
8. Pilot study

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Section B – Statistics

Max. Marks: 25

Long Essays:

(10)

1. In a study the knowledge and attitude scores of 10 persons recorded by a nursing researcher for the pilot study.

Knowledge score	24	36	29	27	33	30	22	20	21	25	
Attitude score	41	56	48	45	76	64	42	50	56	80	

Calculate the spearman's rank correlation and interpret the results

Short Notes:

(3x5=15)

2. Chi square test.
3. Coefficient of variation.
4. Use of statistical packages.

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