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First M.Sc. Nursing Examination, Summer - 2025 Phase - II
NURSING RESEARCH AND STATISTICS - IV

Total Duration : 3 Hours

Total Marks : 75

Instructions : 1) *Use **black** ball point pen only.*

2) ***Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

3) ***All** questions are **compulsory.***

4) *The number to the **right** indicates **full** marks.*

5) *Draw diagrams **wherever** necessary.*

6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*

7) ***Use** a common answerbook for **all** sections.*

SECTION-I (50 Marks)

(Research)

1. Long answer questions: **[1×12=12]**

a) Define research design and explain it's importance. **[3]**

b) Explain the characteristics of good research design. **[4]**

c) Discuss various types of qualitative research design. **[5]**

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2. Long answer question : **[1×12=12]**

You would like to find the reasons for increased incidence of hospital-acquired infection. Answer the following questions.

a) Develop a problem statement for the study. **[3]**

b) Identify and describe variables for above study. **[4]**

c) Discuss the component of research proposal. **[5]**

3. Long answer question : **[1×11=11]**

a) Define validity and reliability. **[2]**

b) What are the method of assessing reliability of tool? **[4]**

c) Explain in detail sampling technique use in experimental research design in clinical area. **[5]**

4. Short answer questions (Solve any 3 out of 5): **[3×5=15]**

a) Define coefficient of correlation and explain use of it.

b) Discuss advantages of graphical presentation.

c) Explain scales of measurement.

d) Scatter diagram method.

e) Explain Chi square test with example.

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SECTION-II (25 Marks)

(Statistics)

5. Long answer question: **[1×10=10]**

a) Explain in detail about central tendency. **[4]**

b) Mid arm circumference in cm of 25 male children is given below.
14,11,11,10,12,13,10,14,11,11,10,12,12,13,13,11,14,12,12,12,11,12,12,13,12
Calculate mean, mode, median and SD. **[6]**

6. Short answer questions (Solve any 3 out of 5): **[3×5=15]**

a) State need of nursing research in India.

b) Explain the process of review of literature.

c) Explain interview as method of data collection.

d) Differentiate between target and accessible population.

e) Describe criteria of good research problem.

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