

B.Sc. NURSING VII SEMESTER EXAMINATION, APRIL - 2026
NURSING RESEARCH & STATISTICS

[Time allotted: Three hours]**[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A (Research 55 Marks)

Q.1. Multiple Choice Questions:**(9x1=9)**

1. Which of the following best describes quantitative research?
 - a. Focused on subjective interpretation
 - b. Uses numerical data and statistical analysis
 - c. Based on open-ended responses
 - d. Conducted only in laboratory settings
2. Research is
 - a. Searching again and again
 - b. Finding solution to any problem
 - c. Working in a scientific way to search for truth of any problem
 - d. Method of searching for something
3. The primary purpose of research is to:
 - a. Formulate opinions
 - b. Explore and generate knowledge
 - c. Confirm personal beliefs
 - d. Promote bias
4. Snowball sampling is typically used when:
 - a. The population is well-defined
 - b. Random selection is required
 - c. Subjects are hard to locate or hidden
 - d. Time is not a constraint
5. In nursing research, a research problem should ideally aim to:
 - a. Promote clinical decision-making
 - b. Support marketing strategies
 - c. Sell medical products
 - d. Reduce research costs
6. A peer-reviewed journal article is:
 - a. Reviewed by patients
 - b. Edited by students
 - c. Evaluated by experts before publication
 - d. Published without review
7. The primary purpose of a research design is to:
 - a. Collect data only
 - b. Reduce sample size
 - c. Minimize bias and maximize validity
 - d. Avoid publication
8. A research statement helps in the development of:
 - a. Sampling frame
 - b. Data entry sheet
 - c. Research objectives and hypothesis
 - d. Budget plan
9. A good research report should be:
 - a. Lengthy and complex
 - b. Clear, concise, and logical
 - c. Based on assumptions
 - d. Copied from others

Q.2. Write essay/situational type on ANY TWO of the following.**(2x15=30)**

- a. Define review of literature. Enlist various databases for searching review. Explain the steps of review of literature.
(2+5+8=15)
- b. Define research design. Discuss the elements of research design. Explain the non-experimental research design.
(2+5+8=15)
- c. Define data collection method. Describe methods of data collection with suitable examples.
(3+12=15)

- Q.3.** Write short notes on **ANY TWO** of the following. (2x5=10)
- Use of computer in nursing research
 - Advantages & disadvantages of Probability sampling
 - Components of research problem
- Q.4.** Write very short notes on the following. (3x2=6)
- Close ended questions
 - Research Ethics
 - Pilot study

SECTION – B (Statistics 20 Marks)

- Q.5. Multiple Choice Questions:** (4x1=4)
- A histogram is used for:
 - Categorical data
 - Qualitative data
 - Frequency distribution of continuous data
 - Pie chart creation
 - The term 'mean' in statistics refers to:
 - The most frequent value
 - The difference between highest and lowest value
 - The average of the data
 - The middle value
 - If a data set is 5, 7, 7, 9, 12, the mode is:
 - 5
 - 7
 - 9
 - 12
 - The main purpose of using statistical software in research is to:
 - Decorate research papers
 - Improve grammar
 - Analyze and interpret data efficiently
 - Store photos
- Q.6.** Write short notes on **ANY TWO** of the following. (2x5=10)
- Application of statistics in nursing
 - Find the mean, median and mode of the following data:
12,14,18,16,13,20,10,20,19,20
 - Various principles of tabulation
- Q.7.** Write very short notes on the following. (3x2=6)
- SPSS
 - Median
 - Pie Chart
