



RAN-2506000907020001

Bachelor of Science (Nursing) Sem. - VII

Examination September - 2025

Nursing Research and Statistics

Time: 3 Hours]

[Total Marks: 75

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

Bachelor of Science (Nursing) Sem. - VII

Name of the Subject :

Nursing Research and Statistics

Subject Code No.: **2506000907020001**

Seat No.:

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Student's Signature

- (2) All the questions are compulsory
- (3) Write in neat and legible handwriting
- (4) Draw flow charts and diagrams wherever necessary
- (5) Number in parentheses at right indicates the marks of the question

Section - I

Q. 1. Multiple Choice Questions : (Any Nine)

(09×01=09)

1. Which of the following is the most sophisticated method of acquiring knowledge?

A. Trial and error	B. Intuition
C. Scientific Research	D. Logical Reasoning
2. What type of quantitative research is conducted to generate knowledge that will directly influence clinical practice?

A. Basic Research	B. Historical Research
C. Phenomenological Research	D. Applied Research

3. "Above all, do no harm." This principle encompassed in the ethical dilemma of:
 - A. Human dignity
 - B. Justice
 - C. No malfeasance
 - D. Anonymity
4. Which of the following sampling method is commonly used in qualitative research?
 - A. Stratified sampling
 - B. Simple random sampling
 - C. Systematic Sampling
 - D. Purposive Sampling
5. Dissemination phase includes all of the following except:
 - A. Presenting the research paper
 - B. Preparing research report
 - C. Utilize the findings
 - D. Organize the data for analysis
6. Which of the following is a primary source of published literature:
 - A. Books
 - B. Manuals
 - C. Original Research articles
 - D. Encyclopedias
7. The boundaries of the study for the researcher are :
 - A. Hypothesis
 - B. Assumptions
 - C. Limitations
 - D. Delimitation
8. It is the extent to which an instrument measures what it is supposed to measure?
 - A. Manipulation
 - B. Randomization
 - C. Control
 - D. Non- Randomization
9. A positive Correlation is present when
 - A. When two variables move in opposite direction
 - B. Two Variables move in same direction
 - C. When variables goes up and down
 - D. Several Variables never changed
10. A systematic literature review :
 - A. Summarizes best available evidence
 - B. A replicable, Scientific and transparent process
 - C. Provides exhaustive list of all published and unpolished studies
 - D. All of the above

Q. 2. Write Long Essay on following: (Any Two) (02×15=30)

1. Define Research Design. Enlist types of research design. Write in detail about Non-experimental research design.
2. What is Sampling? Explain characteristics of a Good sample design. Write in detail about probability Sampling techniques.
3. Define data Collection method. Explain the purpose of data collection. Discuss different types of data collection method used in quantitative research study.

Q. 3. Write Short Essay on following: (Any Two) (02×05=10)

1. Hypothesis
2. Ethical issues in research
3. Explain importance and sources of review of literature
4. Explain pilot study.

Q. 4. Very Short Answer: (Any Three) (03×02=06)

1. Difference between Independent and dependent variables
2. Enlist types of literature review
3. Define Reliability.
4. Difference between Quantitative and Qualitative Research Design
5. Write three characteristics of true experimental research design

Section - II

Q. 5. Multiple Choice Questions (Any Four) (04×01=04)

1. Type of graphical presentation used to explain correlation between two variable is termed as :
 - A. Scatter Plot
 - B. Bar Diagram
 - C. Histrogram
 - D. Pie Chart
2. Which of the following scale involves magnitude, equal intervals and absolute zero point?
 - A. Ordinal data
 - B. Nominal data
 - C. Interval data
 - D. Ratio data
3. Ideally the abstract of the research article should be limited to :
 - A. 100 words
 - B. 100-200 words
 - C. 150-250 words
 - D. 250-500 words

4. Which of the following measures of central tendency is very sensitive to extreme value?
 - A. Mean
 - B. Median
 - C. Mode
 - D. Standard deviation
5. Which of the following is a measures of dispersion?
 - A. Mean
 - B. Mode
 - C. Medain
 - D. Standard Deviation

Q. 6. Write short notes on following: (Any Two) (02×05=10)

1. Use of Statistics in nursing
2. Statistical packages and its application
3. Communication of Research finding
4. Central tendency

Q. 7. Write very short notes on following: (Any Three) (02×03=06)

1. Explain guidelines for formulating a table.
2. Characteristics of graphical presentation
3. Enlist Scales of measurement
4. Enlist types of Correlation Coefficient
5. Salient features of Normal Distribution
