

Third Year B.Sc Nursing Degree Supplementary Examinations
September 2024
Nursing Research and Statistics
(2016 Scheme)

Time: 3 Hrs**Max. Marks: 75**

- **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**
- **Draw table/diagrams/flow charts wherever necessary**
- **The use of a simple calculator is allowed, but using scientific calculator or sharing any calculator is strictly prohibited under any circumstance.**

Nursing Research**Max. Marks: 50****(2x7=14)**

1. Define qualitative research and explain briefly the different types of qualitative research designs
2. Define research problem and explain the criteria of a good research problem

Short notes**(4x5=20)**

3. Steps of scientific method
4. Hypothesis
5. Reliability of an instrument
6. Writing a research report

Differentiate between**(4x4=16)**

7. Rating scale and Checklist
8. Primary and Secondary sources of data
9. Independent and Dependent variable
10. Prospective and Retrospective design

Statistics**Max. Marks: 25****(7)****Statistical Calculation**

11. For the data given below, calculate the Chi square and find out if there is a significant difference in the bowel movements among critically ill patients with positive and negative 24 hours' fluid balance

Bowel movements	24 hrs. fluid balance		Total	Table value of Chi-Square
	Positive	Negative		
Present	403	19	422	3.84, df=1
Absent	278	20	298	
Total	681	39	720	

Short notes**(6x3=18)**

12. Sampling techniques
13. Independent t test
14. Measures of Central tendency
15. Scales of measurement with one example each
16. Graphical presentation of data
17. Use of statistics
