

**RAN-2006000801030002**

**First Year M. Sc. (Nursing) Examination October - 2025**  
**Nursing Research and Statistics**

**Time: 3 Hours ]****[ Total Marks: 75****સૂચના : / Instructions**

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
 Fill up strictly the above details on your answer book.

Seat No.:

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Student's Signature

**SECTION - I (NURSING RESEARCH)****Q. 1. Long Essay: (Any Two) (02×10=20)**

1. Define Nursing Research. Enlist Characteristics of Good Research. Explain How to formulate Problem Statement in Nursing Research
2. Mention the Characteristics of a Quantitative Research Design. Explain Quantitative Research Design with suitable example.
3. Explain the Data Collection Tools with examples

**Q. 2. Short Essay: (Any Five) (05×06=30)**

1. Review of Literature
2. Non-Probability Sampling Technique
3. Validity of Research Tool
4. Ethics in Research.
5. Pilot Study
6. Critiquing of Nursing Research
7. Research Proposal

**SECTION - II (NURSING STATISTICS)****Q. 1. Short Essay: (Any Three) (03×05=15)**

1. Procedure for test of significance
2. Normal distribution
3. Type-I and Type-II error
4. Use of Computer for Statistical analysis
5. Application of Statistics in the Health

**Q. 2. Long Essay: (Any One) (01×10=10)**

1. In a study find out the correlation coefficient between the distance from the health center and the number of antenatal visits, with the following data.

|               |   |   |   |   |   |   |   |    |
|---------------|---|---|---|---|---|---|---|----|
| Distance (Km) | 2 | 2 | 4 | 6 | 7 | 8 | 9 | 10 |
| No of Visits  | 6 | 7 | 5 | 4 | 4 | 3 | 2 | 1  |

2. Explain the different types of Diagrammatic Presentation and Mention the Advantages.