

**PARUL UNIVERSITY**  
**FACULTY OF NURSING**  
**B.Sc. Nursing (Basic), January 2020 Examination**

Year: 3

Date: 23/01/2020

Subject Code: 09101304

Time: 10:00 am to 01:00 pm

Subject Name: Nursing Research and Statistics

Total Marks: 75

**Instructions:**

1. Attempt all questions from each section.
2. Figures to the right indicate full marks.
3. Draw diagrams wherever necessary.
4. Write section-A, section-B on separate answer sheets.

**SECTION A (37 MARKS)****Q-1 Long Essays (Any one out of two) (1x 10) (10)**

1. Define Research. Discuss its significance and scope in relation to nursing
2. Define sampling. Write classification of sampling techniques. Describe any 2 types in detail with relevant examples.

**Q-2 Short Essays (Any three out of six) (3 x 5) (15)**

1. Pilot study
2. Characteristics of good sample
3. Non experimental research design
4. Validity and reliability of instrument
5. Writing research report
6. Describe the principles of tabulation

**Q-3 Short Answers (6 x 2) (12)**

1. Randomization
2. Write the uses of research in nursing
3. Hypothesis
4. State the types of Correlation
5. Define Range
6. List the uses of Chi-square test

**SECTION B (38 MARKS)****Q-1 Long Essays (Any one out of two) (1x 10) (10)**

1. Describe the importance and steps of review of literature in research.
2. What is Data. Explain in detail about data collection technique.

**Q-2 Short Essays (Any four out of seven) (4 x 5) (20)**

1. Types of rating scale
2. Research statement
3. Probability sampling technique
4. Sources of research problem
5. Uses of computer in research
6. Graphical method of presentation of data
7. Calculate the correlation co-efficient for the following data

X	5	10	5	11	12	4	3	2	7	1
Y	1	6	2	8	5	1	4	6	5	2

**Q-3 Short Answers (4 x 2) (08)**

1. Define population
2. Define Variable
3. List the two properties of normal probability curve
4. Find the mean of the following data 4,5,8,2,5