

[LO 1027]

FEBRUARY 2019

Sub. Code: 4724

**B.Sc. (Nursing) DEGREE EXAMINATION**  
(New Regulations for the candidates admitted from 2012-2013 onwards)

**THIRD YEAR**

**PAPER IV – NURSING RESEARCH & STATISTICS**

*Q.P. Code: 664724*

**Time: Three Hours****Maximum : 75 Marks**

**SECTION - A**  
**NURSING RESEARCH**

**I. Elaborate on:** (1 x 15 = 15)

1. Define Sampling. Explain the types of sampling techniques with suitable examples.

**II. Write notes on:** (5 x 5 = 25)

1. Non - Experimental Research design.
2. Validity and reliability of instruments.
3. Differentiate between Quantitative and Qualitative research.
4. Observation methods of data collection.
5. Research Critique.

**III. Short answers on:** (5 x 2 = 10)

1. Write the uses of research in nursing.
2. Types of Hypothesis.
3. Define Randomization.
4. Types of writing research reports.
5. Types of rating scale.

**SECTION - B**  
**STATISTICS**

**I. Elaborate on:** (1 x 15 = 15)

1. Calculate Correlation coefficient for the following data:

X: 2   4   6   8   10  
Y: 3   9   4   6   4

**II. Short answers on:** (5 x 2 = 10)

1. Define Statistics.
2. Type I and Type II error.
3. Define range.
4. List two properties of normal probability curve.
5. Find the mean of the following data: 4, 5, 8, 2, 5.

\*\*\*\*\*