

[LM 1027]

FEBRUARY 2018

Sub. Code: 4724

**B.Sc. (Nursing) DEGREE EXAMINATION**  
**(New Regulations for the candidates admitted from 2013-2014 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. Discuss the steps of nursing research process in detail.

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

1. Probability sampling techniques.
2. Research statement.
3. Sources of research problem.
4. Steps in literature review.
5. Types of experimental research designs.

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

1. State any four non-experimental research designs.
2. What is variable?
3. Mention any two types of validity.
4. Define pilot study.
5. Define population.

**SECTION B**  
**STATISTICS**

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

1. Find the mean respiratory rate/minute and its SD in the 9 samples which are given below:  
23, 22, 20, 24, 16, 17, 18, 19 and 21.

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

1. List the uses of chi-square test.
2. Mention two uses of statistics in nursing research.
3. Draw Pie chart, Males - 40%, Females - 60%.
4. State the types of correlation.
5. Define histogram.

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