



MW-M20177

Seat No. _____

Third Year Basic B. Sc. (Nursing) Examination

January – 2018

Nursing Research & Statistics

Time : **3 Hours**]

[Total Marks : **75**

SECTION – I

- 1** Long Essay (Any **one** out of two) **1×15=15**
- (1) (a) Explain the purposes of research.
(b) Classify research design and explain any one research design with example.
- (2) What is data? Explain in detail about data collection techniques.
- 2** Write Short-notes on following (Any **three** out of five) **3×5=15**
- (1) Sampling
(2) Hypothesis
(3) Research problem
(4) Ethics in nursing research
(5) List the components of a Research Report.
- 3** Briefly answer the following (Any **four** out of Six) **14×2=8**
- (1) Define Randomization.
(2) Mention any two needs for research in nursing.
(3) Define validity.
(4) Define variables.
(5) Definition of pilot study.
(6) Expand (a) CINAHL (b) MEDLINE

SECTION – II

4 Long Essay (Any **one** out of two) **1×10=10**

- (1) In a study find out the correlation coefficient between the distance from the health centre 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) Types of diagrams and its uses in Statistics

5 Write Short-notes on following (Any **three** out of five) **3×5=15**

- (1) Find the mean of the following data
12, 15, 18, 20, 22, 19, 18, 17, 16, 20.
- (2) Type I & Type II error
- (3) Write any four statistical packages.
- (4) List the uses of Chi-square test.
- (5) Probability.

6 Briefly answer the following (Compulsory) **6×2=12**

- (1) Median
- (2) Statistics
- (3) Summarization
- (4) Interpretation of Data
- (5) Degree of freedom
- (6) Formula for standard deviation.