



MV-0201294

Seat No. _____

Fourth Year Basic B. Sc. (Nursing) Examination

January – 2018

Nursing Research & Statistics

Time : **3 Hours**]

[Total Marks : **75**

Instruction : Each section should be written in separate main answer books.

SECTION – I (38 Marks)

1 Long Essay : (any **one** out of two) **1×15=15**

(1) Explain the purposes of research. Classify research design and explain any one research design with example. **5×10=15**

OR

(2) Explain the purpose, scope, sources and the steps in Review of Literature in detail.

2 Write short notes on following : (any **three** out of five) **3×5=15**

- (1) Pilot study
- (2) Steps in writing Research Report
- (3) Characteristics of good research
- (4) Exclusion criteria
- (5) Non probability sampling.

3 Briefly answer the following : (any **four** out of six) **4×2=8**

- (1) Target Population
- (2) Define Variables
- (3) Probability
- (4) Differentiate Qualitative and Quantitative Research
- (5) Research Problem
- (6) Null Hypothesis.

SECTION – II (37 Marks)

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

- (1) Nine students are chosen at random from a group and their heights are found to be 63, 63, 64, 65, 69, 69, 70, 70, 71. Test whether the mean height may be taken to be 65. [$t_{0.05} = 2.31$]

OR

- (2) Diastolic BP of ten patients are given below. Calculate the standard deviation (SD).

130, 110, 160, 120, 170, 120, 150, 140, 160, 140

5 Write short notes on following : (any **three** out of five) **5×3=15**

- (1) Co-efficient of correlation
- (2) Measures of central tendency
- (3) Questionnaire
- (4) Type 1 and type 2 errors
- (5) Types of diagrams and its uses in statistics.

6 Briefly answer the following : (any **four** out of six) **6×2=12**

- (1) Histogram
- (2) Frequency distribution
- (3) Types of "t" test
- (4) Randomization
- (5) SPSS
- (6) What is degree of freedom ?
