



MO-0201294

Seat No. _____

Fourth Year Basic B. Sc. (Nursing) Examination

July – 2016

Nursing Research & Statistics

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Write both sections in separate answer book.
(2) Draw diagram wherever necessary.

SECTION – I

- 1 Long essay : (any one) 15**
- a) Define Research and list out characteristics of good research.
 - b) Explain in detail steps of research process.
- OR**
- a) Give classification of research.
 - b) Explain in detail about experimental research.
- 2 Short Notes : (any three) 15**
- a) Needs of research in nursing.
 - b) Pilot Study.
 - c) Interview Method for Data collection.
 - d) Review of Literature.
- 3 Briefly answer following : (any four) 8**
- a) Define Reliability.
 - b) Define Hypotheses.
 - c) Give full form of CINHALL and MEDLINE.
 - d) Define Target Population.
 - e) Define Validity and list out its types.

SECTION – II

4 Long Essay : (any **one**) 10

- a) Define Data and List out the types of data collection tools and methods.
- b) Explain in detail about Check List.

OR

- a) Define Sampling and list out types of sampling techniques.
- b) Explain in detail about Probability Sampling.

5 Short Notes : (any **three**) 15

- a) What is Histogram ? Develop histogram from following frequency distribution.

Age Group (yrs)	15-20	20-25	25-30	30-35	35-40
Number of male	15	20	40	60	50

- b) Following table gives the age of 20 adolescent girls, Calculate mean age :

Age in years	No. of Students
16	5
17	6
18	6
19	3

- c) Find out median of data related two weights of seven people in pounds are :

158, 167, 143, 169, 172, 146 and 151

- d) Explain in detail about table.

6 Briefly answer following : (any **six**) 12

- a) Define statistics.
- b) List out measures of central tendency.
- c) Define range with example.
- d) Properties of normal probability curve.
- e) Define mode and give its formula.
- f) List out scope of Research.
- g) List out characteristics of good Research problem.