

M.Sc. (Nursing) DEGREE EXAMINATION
(Regulations for candidates admitted from 2011-2012 Sessions onwards)

FIRST YEAR
PAPER III – NURSING RESEARCH AND STATISTICS

Q.P. Code: 302323

Time : Three Hours

Maximum : 75 Marks

Answer Sections A and B in SEPARATE Answer book.

SECTION – A
(NURSING RESEARCH)

I. Elaborate on: **(1 x 20 = 20)**

1. Define Research and Nursing research. Write in detail the overview of research process.

II. Write notes on: **(5 x 6 = 30)**

1. Formulation of research objectives.
2. Data collection tools.
3. Write steps in sampling process.
4. Validity and reliability of an instrument.
5. Phenomenology.

SECTION – B
(STATISTICS)

I. Elaborate on: **(1 x 20 = 20)**

1. a) The incubation periods of a random sample of 7 HIV infected individuals is given below (in years): 12.0, 10.5, 9.5, 6.3, 13.5, 12.5 and 7.2.
 - a) Calculate the Measures of Central tendency.
 - b) Calculate the sample standard deviation.
 - c) If the number 6.3 above were changed to 1.5, what would happen to the sample mean, median and standard deviation?

- b) A VLCD treatment was administered to each of the 12 patients and their results are given below for Pre and Post test

Pre test	180	170	176	139	182	146	175	163	160	155	146	169
Post test	106	140	126	139	172	150	120	140	132	120	148	137

Can it be concluded that the treatment will in general be accompanied by a weight loss Table value 2.262.

II. Write notes on: **(1 x 5 = 5)**

1. Primary and Secondary Data. Explain different methods of collecting primary data.