M.Sc.(N) [1st Year]

BF/2011/07

Nursing Research & Statistics

[Common for all Nursing Specialities]
[NEW SCHEME-w.e.f. 2008 admission]

M.M. : 75   **Time : 3 Hours.**

Note : Attempt all questions.

Calculator is not allowed.

SECTION-A
(Nursing Research)

1.   What are the types of research ? Describe the characteristics, advantages and disadvantages of survey research.   [2+8+5=15]

2.   What steps are required for determining validity of a tool ? What are the points to be kept in mind while collecting observational data.   [5+10=15]

3.   **Write Short Notes on any FOUR of the following :**   [4x5=20]

   (a)   Sampling error.

   (b)   Identification of research problem.

   (c)   Evidence based practice.

   (d)   Purposes and uses of theories in research.

   (e)   Historical research.

SECTION-B
(Statistics)

4.   The following table shows the pre and post test knowledge scores of nurses after a structural teaching program (immediately and one month later) :

Pre test	Post test I	Post test II	p value
13.83 ± 3.56	30.20 ± 4.2	25.33 ± 3.25	*$p < 0.001$ \$$p < 0.001$ #$p < 0.001$

   * between pre test and post test I
   $ between pre test and post test II
   # between post test I and post test II

   Describe and interpret the data. What conclusions can be drawn from the study ?
                                                                      [3+3+4=10]

5.   **Write briefly an any THREE :**   [3x5=15]

   (a)   Measures of central tendency.

   (b)   Coefficient of Correlation.

   (c)   Use of statistical packages.

   (d)   ANOVA.