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

BF/2014/02

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.

SIMPLE CALCULATOR IS ALLOWED.

SECTION-A
(Nursing Research)

1.   (a)   What are the purposes of using sampling technique in research ?   [5]

       (b)   Differentiate between population and sample. Discuss the non-probability sampling technique with examples.   [10]

2.   (a)   Discuss the various steps involved in writing research protocol.   [10]

       (b)   Discuss various barriers in utilization of nursing research.   [5]

3.   **Write Short Notes on any FOUR of the following** :   [5x4=20]

       (a)   Scope of Nursing Research.
       (b)   Assumptions in research.
       (c)   Sources of review of literature.
       (d)   Quasi experimental research approach.
       (e)   Sampling error.

SECTION-B
(Statistics)

4.   (a)   What do you understand by graphical representation of data. Is there any relation between frequency polygon and frequency curve.   [5]

       (b)   In an experiment on immunization of cattle from tuberculosis the following results were obtained :   [10]

	Affected	Not Affected
Inoculated	12	26
Not Inoculated	16	6

Calculated x^2 (Chi square) and discuss the effect of vaccination controlling susceptibility to tuberculosis (5% value of x^2 for one degree of freedom = 3.84)

4.   **Write Short Notes on any TWO of the followings :**   [5x2=10]

       (a)   Vital health statistics.
       (b)   Randomized block design.
       (c)   Rank order correlation.