

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

BF/2012/08

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. List the characteristics of Experimental research. What is randomization and how it is done ? Write three hypothesis of an experimental research study. [4+5+6=15]
2. Outline the steps in developing an instrument for data collection. How will you determine its validity ? [8+7=15]
3. **Write Short Notes on any FOUR of the following :** [4x5=20]
 - (a) Phenomenology.
 - (b) Issues in External validity.
 - (c) Interview method.
 - (d) Randomized controlled Trials.
 - (e) Pilot Study.

SECTION-B (Statistics)

4. The observed frequencies for compliance with therapy in Epilepsy patients in control and experimental group are given below :

Compliance -----	Experimental -----	Control -----	Total -----
Compliant	60	40	100
Non Compliant	40	60	100
	----- 100	----- 100	

$$\chi^2 = 8.00, df = 1, p = .005$$

- (a) Describe the data and interpret the result. [3+3]
 - (b) What conclusions can be drawn from the study ? [4]
5. **Write briefly on any THREE :** [3x5=15]
 - (a) Calculation of sample size.
 - (b) Tests of reliability.
 - (c) Incidence and prevalence.
 - (d) Measures of variability.
