

**F.Y. M. SC. (NURSING) (2008 COURSE) : SUMMER - 2018**  
**SUBJECT : NURSING RESEARCH & STATISTICS**

Day : **Wednesday**  
Date : **02/05/2018**

**S-2018-3882**

Time : **10.00 AM TO 01.00 PM**  
Max. Marks : 75

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Answers to both the sections should be written in **SEPARATE** answer books.
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**SECTION – I**

- Q.1** Write short notes on **ANY FIVE** of the following: [20]
- a) Scope of Nursing Research
  - b) Sources of Literature review
  - c) Characteristics of true experimental design
  - d) Limitations and delimitation
  - e) Sampling errors
  - f) Pilot study
  - g) Barriers in utilization of research findings
- Q.2** Attempt **ANY THREE** of the following: [30]
- A) i) Define research. [02]  
ii) Enumerate research process. [03]  
iii) Discuss the uses of evidence based practice in nursing. [05]
- B) i) Define informed consent. [02]  
ii) Elaborate on the content needs to written on research participant's informed consent. [03]  
iii) Explain the process or steps of data collection. [05]
- C) i) Define Hypotheses. [02]  
ii) Explain the types of research hypotheses. [03]  
iii) Discuss the steps of formulation of research hypotheses. [05]
- D) i) Define reliability. [02]  
ii) Describe three aspects of reliability. [03]  
iii) Explain any one reliability test in detail. [05]

**SECTION – II**

- Q.3** Write short notes on **ANY FOUR** of the following: [12]
- a) Stratified Random Sampling
  - b) Normal curve and its characteristics
  - c) Student 't' – test
  - d) Enumerate the measures of central values
  - e) Presentation of quantitative data
  - f) Prospective study
  - g) Non-parametric tests
- Q.4** a) What is “tests of significance”? [03]  
b) In a household survey on under five children, out of 200 female children 40 were malnourished and out of 300 male children 80 were malnourished.  
i) Test whether there is any association between Gender and malnutrition [05]  
ii) State the types of data, Null hypothesis and alternate hypothesis. [05]

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