

F.Y. M. Sc. (Nursing) (2008 Course) : WINTER- 2018

SUBJECT : NURSING RESEARCH & STATISTICS

Day : Saturday  
Date : 06/10/2018

Time : 10.00 A.M. TO 01.00 P.M.  
Max. Marks : 75

W-2018-4040

**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.

**SECTION – I**

- Q.1** Write short notes on **ANY FIVE** of the following: [20]
- a) Informed consent
  - b) Thrust areas of research
  - c) Variables
  - d) Factors influencing sampling
  - e) Threats to internal validity of research design
  - f) Characteristic of a good sample
  - g) Communication of research results
- Q.2** Attempt **ANY THREE** of the following: [30]
- A) i) Define review of literature. [02]  
ii) Enlist down the sources of review of literature. [03]  
iii) Enumerate the steps of doing literature review. [05]
- B) i) Define research design. [02]  
ii) Enlist the types of research design. [03]  
iii) Explain quasi experimental design in detail. [05]
- C) i) Define data collection. [02]  
ii) Enlist down the steps of data collection. [03]  
iii) Explain any one data collection technique in detail. [05]
- D) i) Define validity. [02]  
ii) Enlist down the steps of doing content validity. [03]  
iii) Discuss the types of validity. [05]

**SECTION – II**

- Q.3** Write short notes on **ANY FOUR** of the following: [12]
- a) Measures of variation
  - b) Chi-square test
  - c) Reliability tests
  - d) Multistage sampling
  - e) Types of data and the scales
  - f) Simple regression
  - g) Bar diagram and its types
- Q.4** Following are the weight of 10 children (in kg):  
22, 21, 18, 18, 21, 20, 20, 20, 21, 19.
- a) Calculate the mean. [03]
  - b) Calculate the standard deviation. [05]
  - c) Calculate the unit free measures of variation. [05]

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