

F. Y. M. Sc. (Nursing) (2008 COURSE) : WINTER - 2021
SUBJECT: NURSING RESEARCH & STATISTICS

Day Thursday
Date 14/10/2021

W-2021 - 3646

Time : 10:00 A.M. TO 1:00 P.M.
Max. Marks : 75

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) Characteristics of Good Sampling
 - b) Elements of Research Design
 - c) Variables
 - d) Retrospective Research
 - e) Quantitative Research
 - f) Pilot study
 - g) Inductive Reasoning
 - h) Likert Scale
- Q.2** Attempt **ANY TWO** of the following:
- A) i) Explain Research Process. [05]
ii) Explain the ethical principles in Research. [05]
iii) Importance of Research for development of Nursing Profession. [05]
- B) Researcher is interested to assess the effectiveness of Janani Surksha Yojana. Answer the following:
- i) Formulate the Research Statement. [03]
 - ii) Explain the resources for review of Literature. [04]
 - iii) Explain the types of validity. [04]
 - iv) Explain the importance of Dissemination of findings. [04]
- C) i) Define Research problem. [02]
ii) Explain the steps of formulating Research problem. [04]
iii) Explain the types of Hypothesis. [04]
iv) Write the importance of Assumptions in Research. [03]

SECTION – II

- Q.3** Write a short note on **ANY FOUR** of the following: [12]
- a) Characteristics of Normal Curve
 - b) Sampling techniques and its types
 - c) Data, data sources and data types
 - d) Mann Whitney Test
 - e) Median Test
 - f) Vital Health Statistics
- Q.4** a) Define Null and Alternative hypothesis. Write down the all procedure of Testing of Hypothesis. [05]
- b) The systolic blood pressure (mm of Hg) of 10 patients with a specified illness is compared with the value in 12 comparable normal persons. Test whether the systolic blood pressure of patients and normal person differ significantly at 5% level of significance. [05]
- c) The average weight of babies at birth is 2.8 kg with SD 0.4 kg. If the birth weight are normally distributed. What is the range in which 95% of birth weights will lie? [03]

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