

F.Y. M.Sc. (NURSING) (2008 COURSE) : SUMMER – 2019
SUBJECT : NURSING RESEARCH & STATISTICS

Day : Thursday
Date : 02/05/2019

S-2019-4349

Time : 10.00 A.M. TO 01.00 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 book.

SECTION – I

- Q.1** Write short notes on **ANY FIVE** of the following: **(4x5=20)**
- a) Informed written consent
 - b) Uses of review of literature
 - c) Validity of research tool
 - d) Scope of Nursing Research
 - e) Annotated Bibliography
 - f) Ethics in nursing research
 - g) Sampling error
- Q.2** Attempt any **THREE** of the following: **(10x3=30)**
- A)
 - i) Define data collection. **(02)**
 - ii) Enlist the steps of data collection. **(03)**
 - iii) Explain observation technique in detail. **(05)**
 - B)
 - i) Define research. **(02)**
 - ii) Enlist the types of research design. **(03)**
 - iii) Discuss the experimental design in detail. **(05)**
 - C)
 - i) Define reliability. **(02)**
 - ii) Describe three aspects of reliability. **(03)**
 - iii) Explain any one reliability test in detail. **(05)**
 - D)
 - i) Define hypothesis. **(02)**
 - ii) Explain the types of hypothesis. **(03)**
 - iii) Discuss the steps of formulation of research hypothesis with example. **(05)**

SECTION – II

- Q.3** Write short notes on **ANY FOUR** of the following: **(4x3=12)**
- a) ANOVA
 - b) Mann Whitney test
 - c) Scatter diagram and its use
 - d) Retrospective design
 - e) Systematic random sampling
 - f) Characteristics of normal curve
 - g) Comparison of SD and CV
- Q.4** In an intervention study, the weight gain in the control group of 80 children with mean and SD was $2 \text{ kg} \pm 0.7 \text{ kg}$ where as in the experimental group of 100 it was $3.7 \text{ kg} \pm 0.6 \text{ kg}$.
- a) Why do you need a control group to study the effect? **(05)**
 - b) Name the statistical tests to compare the groups in the above problem. **(05)**
 - c) If P is 0.017, what is your conclusion? **(03)**

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