

MASTER OF SCIENCE (NURSING) (2008 COURSE)
First Year M.Sc. Nursing CHN,CHPN,MHPN,MSN,OGN : SUMMER : 2024
SUBJECT: NURSING RESEARCH & STATISTICS

Day : Monday
Date : 15/07/2024

S-3646-2024

Time : 10:00 AM-01:00 PM
Max. Marks : 75

- N.B.:**
- 1) All questions are **COMPUSLORY**.
 - 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** Attempt **ANY THREE** of the following: (10x 3 =30)
- A)

i) Define Sampling. (02)

ii) Discuss in brief about probability sampling technique. (03)

iii) Explain sampling error and how to reduce these errors in research. (05)
- B)

i) Define Review of literature. (02)

ii) List down the sources of RoL. (03)

iii) Discuss the steps of conducting literature review. (05)
- C)

i) Define reliability. (02)

ii) Explain three aspects of reliability. (03)

iii) Discuss any one reliability test in detail. (05)
- D)

i) Define research. (02)

ii) List the ethical principles of research. (03)

iii) Explain the process of approval of research problem statement. (05)
- Q.2** Write short notes on **ANY FOUR** of the following: (4x5=20)
- a) Research process

b) Dissemination of research findings

c) Factors affecting internal validity of research design

d) Conceptual framework

e) Questionnaire as a tool of data collection

f) Variables

SECTION-II

- Q.3** Write short notes on **ANY FOUR** of the following: (4 x 3=12)
- a) Data, Data Sources and Data types

b) Mann Whitney Test

c) Types of Quantitative Graphs

d) Uses of Biostatics

e) Independent ‘t’ test

f) Characteristics of Normal Curve
- Q.4** a) A village survey investigated 124 household and record their source of water supply. By reviewing the village health center morbidity records for a period of three months prior to the survey, it was possible to identify household members with history diarrheal episode. Test the association between the source of water and diarrhea. (05)

	No. of house hold according to water supply		
Status	River	Well	Tap
Diarrheal episodes	49	6	4
No Diarrheal episodes	39	14	12

- b) The weights (kg) of 10 Tuberculosis patients on admission at the end of 12 months of treatments with PAS plus ionized daily, are given below. Examine whether the gain weight is statistically significant? (05)

Patient No.	1	2	3	4	5	6	7	8	9
Weight on Admission	49	41	37	41	42	37	39	38	41
Weight at 12 months	52	4	3	46	52	46	38	42	41

- c) The average weight of babies at birth is 2.8kg with SD 0.4kg. If the birth weights are normally distributed. What is the range in which 95% of birth weights will lie? (03)