

MASTER OF SCIENCE (NURSING) (2008 COURSE)
First Year M.Sc. Nursing CHN,CHPN,MHPN,MSN,OGN
CHN,CHPN,MHPN,MSN,OGN :SUMMER- 2022
SUBJECT : NURSING RESEARCH & STATISTICS

Day : Saturday
Date : 4/6/2022

S-3646-2022

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

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Answer to both the sections should be written in **SEPARATE** answerbooks.
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SECTION – I

Q.1 Write short notes on **ANY FIVE** of the following : **(20)**

- a) Methods of acquiring knowledge in Nursing
- b) Critical Analysis of research report
- c) Informed Consent
- d) Validity of the tool
- e) Variables
- f) Communication of research result
- g) Quasi experimental research designs

Q.2 Attempt **ANY TWO** of the following :

- A) **i)** What do you mean by review of literature? **(02)**
ii) Discuss the purposes of literature review. **(04)**
iii) Explain the steps of Review of Literature. **(05)**
iv) Explain the sources of literature review. **(04)**
- B) You want to conduct a research to see the effect of Magnesium Sulphate dressing on phlebitis in pediatric ward as you observe the problem of extravasation of IV fluid is very common in the ward.
- i)** Formulate a research statement for above nursing problem. **(03)**
ii) Formulate the objectives for this study. **(03)**
iii) Explain the appropriate research design for this study. **(03)**
iv) State the hypothesis / assumption for this study. **(03)**
v) Explain the variables of the study. **(03)**
- C) Answer the following questions :
- i)** Define the term Sample. **(02)**
ii) Explain the sampling process. **(04)**
iii) Explain the interview method of data collection. **(04)**
iv) Explain the types of qualitative research **(05)**

SECTION - II

Q.3 Attempt **ANY FOUR** of the following : **(12)**

- a) Explain Mann-Whitney U Test.
- b) Steps of testing of hypothesis.
- c) Explain sampling and its types.
- d) Calculate measures of central tendency and variability of hemoglobin values (gm%) of 10 individuals given as 11,12,10,11,13,11,9,8,10,7.
- e) Explain bar diagram and its types.
- f) Normal Curve and its characteristics.

PTO

Q.4 Solve the following :

- a) Systolic blood pressure of 225 males was taken. Mean BP was found to be 128 mm and S.D. 13.05 mm. find 95% confidence limits of BP within which the population mean would lie. **(03)**

- b) In a survey, 1000 males and 1000 females were examined, out of which 234 males and 266 females showed evidence of dental caries. Test the difference observed in the two series is statistically significant. **(05)**

- c) The systolic blood pressure (mm of Hg) of 10 patients with a specified illness is compared with the values observed in 12 comparable normal persons. Test whether the systolic blood pressure of patients and normal persons differ significantly at 5% level of significance. **(05)**

Patients :	123	132	160	125	128	135	153	147	112	125		
Normal persons:	110	125	124	104	130	115	136	106	138	122	120	110
