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SS/MSN-I/NRS/02-23

2 0 2 3

(February)

NURSING RESEARCH AND STATISTICS

Full Marks: 75

Time: 3 Hours

The figures in the margin indicate full marks for the questions

Answer **all** questions

FIRST HALF (50 marks)

1. a) Define nursing research. 2
- b) Elaborate about the Scientific method. 5
- c) You are working in a critical care unit. Prepare a research problem and identify the components of problem statement. Describe in details which type of research design and tool you would use in this research. 8
2. a) Classify Sampling. 6
- b) Write about the Steps of literature review. 4
- c) How would you critique the literature review? 5

(Turn Over)

(2)

3. Write shorts on any four: 4x5=20
- a) Purpose of nursing research.
 - b) Grounded theory.
 - c) Validity and reliability.
 - d) Pilot study.
 - e) Questionnaire.
 - f) Hypotheses.
 - g) Ethics in research.

SECOND HALF (25 marks)

4. Write short note on (any three) : 3x3=9
- a) Graphical representation of data.
 - b) Vital Statistics Data.
 - c) Statistical data.
 - d) Chi-square test for goodness of fit.
5. What are the measures of central tendency? Find Mean and Standard Deviation of the following data: $2+4+5=11$
Marks : 90-99, 80-89, 70-79, 60-69, 50-59, 40-49, 30-39
No. Of : 2 , 12, 22, 20, 14 , 4, 1
students
6. Calculate the co-efficient of correlation of the following data. 5
- X: 2, 3, 4, 5, 6, 7, 8
Y: 4, 5, 6, 8, 9, 7, 1

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