



D-0201294-O

Seat No. _____

Fourth Year Basic B. Sc. Nursing Examination

August - 2022

Nursing Research & Statistics

(Old Course)

Time : **3** Hours]

[Total Marks : **75**

- Instruction:**
- (1) Figures to the right side indicate marks.
 - (2) Write answer to the point.
 - (3) Attempt part of a question at one place only.
 - (4) Draw diagram wherever it is necessary.

SECTION - I (Nursing Research) (38 Marks)

1 Long Essay. (Any **one** out of **two**) **1×15=15**

- (a) Describe briefly the various data collection **4+6+5=15**
methods? Explain in detail about the process of tool
construction? Elaborate about questionnaire as a tool
for data collection?

OR

- (b) List down the types of research? Explain in **2+5+8=15**
detail about the quantitative research with examples?
Explain the steps of quantitative research?

2 Short notes: (Any **three** out of **five**) **3×5=15**

- (a) Review of Literature
- (b) Sampling
- (c) Communication of Research findings
- (d) Research Problem
- (e) Experimental Research design

3 Briefly answer: (Any four out of six) 4×2=8

- (a) Define Validity
- (b) Assumption
- (c) Define Variables and its types
- (d) List the components of research report
- (e) Characteristics of good research
- (f) List out any four needs of research in nursing

Section - II (Statistics) (37 marks)

4 Long Essay : (any **one** out of **two**): 1×10=10

- (a) In a study find out the correlation coefficient between age of husband and wives:

<i>Age of husband</i>	25	29	27	30	32
<i>Age wives</i>	20	25	23	27	29

OR

- (b) Define data analysis? Enumerate about the types of diagram and its presentation in statistics with its uses?

5 Write short notes for the following: (any **three** out of **five**) 3×5=15

- (a) Sampling Error.
- (b) Measures of Central tendency.
- (c) The weight of students is 70, 75, 90, 67, 83, 92 49, 63, 113 and 127. Calculate the mean weight of students.
- (d) What is frequency polygon? Develop a frequency polygon for the following data:

<i>Age in Group (yrs)</i>	10–20	20–30	30–40	40–50	50–60
<i>Weight (Kg)</i>	20	35	45	32	25

(e) Find out the median for the following data:

<i>Marks</i>	15–19	20–24	25–29	30–34	35–39	40–44	45–49
<i>No. of students</i>	22	35	47	61	72	18	20

6 Briefly answer the following: (Compulsory) **6×2=12**

- (a) t-test formula.
 - (b) Define histogram and draw a histogram with an example.
 - (c) Parts of data presentation table with a diagram.
 - (d) Use of computer in nursing research.
 - (e) Degree of Freedom.
 - (f) Summarization.
-