



BRAINWARE UNIVERSITY
Term End Annual Examinations, Sep - 2023
Programme – Bachelor of Science in Nursing
Course Name – Nursing Research & Statistics
Course Code – BNS304
(Year – III)

Time allotted: 3 hrs.

Full Marks: 75

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable. Write answer of Section – A and Section –B in separate Answer booklet.]

Section – A

1. **Write short answer type questions on any *one* of the following:** 1 x 5 = 5
 - (I) Write down the purpose of research. [5]
 - (II) Discuss about true experimental research design. [5]

2. **Write long answer type question of the following:** 2 x10= 20
 - (I) Write down the purpose of critical review. Write down the guidelines for writing research report. [2+8 = 10]
 - (II) Explain the criteria of research problem. Describe how you evaluate research problem. [5+5=10]

3. **Write long answer type questions on any *one* of the following:** 1 x 15= 15
 - (I) Define Hypothesis, Target Population, Pilot study, validity. Explain the quantitative research process. [2+2+3+2+6=15]
 - (II) Discuss the need for nursing research. Enumerate the criteria for good research problem. Formulate one research problem from your experience in clinical area. [4+4+7 = 15]

Section –B

4. Write short answer type questions on any *three* of the following:

3 x 5 = 15

- (I) Hypothesis
- (II) Conceptual framework
- (III) Level of data
- (IV) Normal Probability curve

[5]
[5]
[5]
[5]

5. Write long answer type question of the following:

2 x 10 = 20

(I) Calculate the arithmetic mean of the following distribution

[5+5 = 10]

a.

x	10	11	12	13	14
f	1	2	4	2	1

b.

The students obtained the following marks in mathematics and statistics. Calculate the rank correlation coefficient

Marks in Mathematics	78	36	98	25	75	82	90	62	65
Marks in Statistics	84	51	91	60	68	62	86	58	53

(II) Define Data.

[2+3+5 = 10]

What are the main sources of data?

Describe the tool used in observation method of data collection.