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SS/BSN-4/NRS/6-15

2 0 1 5

(June)

NURSING RESEARCH & STATISTICS

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer all questions

1. (a) Explain the different data collecting instruments used in conducting research. 5
(b) Explain how the validity and reliability of any tool is established. 5
(c) Write the steps of data collection. 5
2. (a) List the characteristics of a good research. 5
(b) What are the sources of a good research problem? 5
(c) Why research is important for evidence based nursing practice. 5
3. Write short notes (*Any four*) 5 × 4 = 20
 - (a) Pilot study
 - (b) Steps of review of literature.
 - (c) Variables
 - (d) Statistics and tis application in research.
 - (e) Critical analysis of a research article.

(Turn Over)

(2)

4. Briefly describe the following (*any five*)

2×5=10

- (a) Mode
- (b) Null hypothesis
- (c) Sample
- (d) Probability
- (e) Histogram
- (f) Analysis of variance

5. (a) What do you understand by Measures of Central Tendency?

2

(b) Why is mean the reliable measure of Central Tendency? 2

(c) Find the mean and standard deviation from the following distribution. 5

<u>Age in Years</u>	<u>No. of Women</u>
20 – 25	175
25 – 30	120
30 – 35	110
35 – 40	90
40 – 45	50
45 – 50	35

6. Write short notes on *any two* of the following

2½ × 2 = 5

- (a) Diagrammatic representation of data
- (b) Co-efficient of co-relation
- (c) Tests of significance

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