

JULY-2016

Fourth Year B.Sc. Nursing Examination

Subject: Nursing Research &amp; Statistics. (CODE: 10179)

[Max. Marks: 75]

Instructions: Write each section in a separate answer book.

**SECTION-I**

- Q: 1 Define the following terms: [Any five] [10]
- Nursing research
  - Dependent variable
  - Hypothesis
  - Research problem
  - Review of literature
  - Pilot study
- Q: 2 write down the short notes. [Any four] [4X5=20]
- Ethics of nursing research
  - Factors affecting external validity
  - Criteria for selecting good research
  - Steps of review literature
  - Formulation of research problems
- Q:3 write down in detail about sources of research problem [8]

**SECTION-II**

- Q:4 Define the research design, describe the characteristics of good design and explain in detail about quantitative research design. [2+4+6=12]
- OR
- Q:4 Define the sampling, describe the factors influencing sampling process and write in details about rating scale. [2+4+6=12]
- Q:5 a. calculate the arithmetic mean from the following table: [5]

Weight in kg.	frequency
60-61	10
61-62	20
62-63	45
63-64	50
64-65	60
65-66	55
66-67	25

b. calculate the median from the following table: [5]

Wage	145	170	180	190	200	210
No. of employees	21	16	18	20	26	23

c. calculate the mode and standard deviation of the following data: [10]

Hb%	8-9	9-10	10-11	11-12	12-13	13-14	14-15
Mother	8	14	21	25	15	10	7

a. Calculate the mean from the following data: [5]

Age in year	No. of students
14	34
15	30
16	20
17	12