

Question Paper

Exam Date & Time: 29-Aug-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD YEAR B.Sc. NURSING DEGREE EXAMINATION - AUGUST / SEPTEMBER 2022
SUBJECT: BSN 308 - NURSING RESEARCH AND STATISTICS
(REPEATERS)

Marks: 75

Duration: 180 mins.

SECTION A : NURSING RESEARCH (50 MARKS)

Answer all the questions.

1. Explain "Survey research designs" under the following headings:

- 1A) Types with example for each (any 5). (10)
1B) Advantages and disadvantages. (5)

2. Answer the following in relation to "sampling".

- 2A) Difference between probability and non-probability sampling techniques. (5)
2B) The steps of sampling process. (5)
2C) Factors affecting sampling process. (5)

3. Write short note on the following :

- 3A) Need for nursing research. (5)
3B) Resources for evidence based practice. (5)
3C) Utilization of research findings. (5)
3D) Observation technique as method of data collection. (5)

SECTION B : STATISTICS (25 MARKS)

Answer all the questions.

- 4) Explain the functions of biostatistics. (4)
5) Construct a frequency polygon for the following data set (5)

Age group	31-35	36-40	41-45	46-50	51-55	56-60
Frequency	14	20	28	16	25	12

- 6) The hemoglobin level of 10 subjects are given below. Calculate the mean and standard deviation (5)
8 12 15 11 16 13 18 16 10 17

7. The mean and standard deviation scores of a distribution are 40 and 6 respectively, assuming normality, determine what percentage of scores fall between:

7A) 34 and 46 (2.5)

7B) 22 and 58 (2.5)

8) Calculate the coefficient of correlation for the following data (6)

X	35	32	25	22	28	18	20	26	24	40
Y	30	25	28	26	20	16	18	22	26	36

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