[LR 1027]   **DECEMBER 2020**   Sub. Code: 4733
(AUGUST 2020 SESSION)

B.Sc. (Nursing) DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2012-2013 onwards)
FINAL YEAR
PAPER III – NURSING RESEARCH & STATISTICS

Q.P. Code: 664733

Time: Three Hours   Maximum : 75 Marks

SECTION - A
NURSING RESEARCH

I. Elaborate on: (1 x 15 = 15)

1. List out the Characteristics of Good Research. Explain Quantitative Research in detail.

II. Write notes on: (5 x 5 = 25)

1. Research process.
2. Research objectives.
3. Dependent variable.
4. Types of Survey.
5. Steps in review of Literature.

III. Short answers on: (5 x 2 = 10)

1. Write a Null-Hypothesis statement.
2. List any four barriers in Evidence Based Practice.
3. Define target population.
4. List four purpose of Sampling.
5. State Hawthorne effect.

SECTION - B
STATISTICS

I. Elaborate on: (1 x 15 = 15)

1. The following data represent a sample of the time to complete a certain task in minutes and seconds (mm:ss).
    6:30, 11:15, 6:22, 11:32, 8:12, 5:02, 9:17, 6:51, 8:44, 7:45, 9:37, 7:28, 4:29, 7:42
   a. Calculate the mean.
   b. Calculate the standard deviation.

II. Short answers on: (5 x 2 = 10)

1. Define Incidence Rate.
2. Define Degrees of freedom?
3. List the types of 't' test.
4. List any four Diagrams used in Statistics.
5. Define Bio-statistics.

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MEDICAL

[BSCN 1221]   **DECEMBER 2021**   Sub. Code: 4733
          (AUGUST 2021 SESSION)

B.Sc. (Nursing) DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2012-2013 onwards)
FINAL YEAR
PAPER III – NURSING RESEARCH & STATISTICS

Q.P. Code: 664733

Time: Three Hours   **Maximum : 75 Marks**

SECTION – A
NURSING RESEARCH

I. Elaborate on: (1 x 15 = 15)

1. Explain Quantitative research designs with suitable examples.

II. Write notes on: (5 x 5 = 25)

1. Steps of Research process.
2. Criteria of a good research problem.
3. Types of Sampling Techniques.
4. Ethical Principles in Research.
5. Bio physiological Measures.

III. Short answers on: (5 x 2 = 10)

1. Types of survey method.
2. Write the purposes of literature review.
3. Randomization
4. Pilot study
5. Research objectives.

SECTION – B
STATISTICS

I. Elaborate on: (1 x 15 = 15)

1. A study to evaluate the effect of cognitive behavioural therapy on wellbeing scores among cancer patients. A sample of 10 cancer patients was randomly selected and their wellbeing scores measured before CBT and again after 2 months of CBT. Are there any difference in mean wellbeing scores before and after CBT at $P < 0.05$ level? (Table Value is 2.262).

   Before CBT: 2,4,5,7,8,10,3,3,3 and 12
   After CBT: 22,12,10,20,19,22,20,23,26 and 14

II. Short answers on: (5 x 2 = 10)

1. What is standard deviation?
2. Mention the Scales of Measurement?
3. What is Probability?
4. What are the uses of Statistics?
5. What is central tendency?

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. **MEDICAL**

[BSCN 1122]   **NOVEMBER 2022**   Sub. Code: 4733
(AUGUST 2022 EXAM SESSION)

B.Sc. (Nursing) DEGREE EXAMINATION
(Regulations for the candidates admitted upto 2012-2013)
FINAL YEAR
PAPER III – NURSING RESEARCH & STATISTICS
Q.P. Code: 664733

Time: Three Hours   Maximum : 75 Marks

SECTION – A
NURSING RESEARCH

I. Elaborate on: (1 x 15 = 15)

1. a) What is Problem statement?
   b) What are the Criteria of a good research Problem?
   c) Write the types of statement of problem with example and formulate the objectives and hypothesis for it.

II. Write notes on: (5 x 5 = 25)

1. Types of Assumptions.
2. Critique of nursing research studies.
3. Stages of systemic review.
4. Bio Physiological parameters.
5. Dependent Variable.

III. Short answers on: (5 x 2 = 10)

1. Define plagiarism.
2. Write the types of closed ended question.
3. Expand PICO.
4. Define null hypothesis.
5. Define Target population.

SECTION – B
STATISTICS

I. Elaborate on: (1 x 15 = 15)

1. What is a statistical average? Describe the characteristics of a good statistical average.

II. Short answers on: (5 x 2 = 10)

1. Define probability.
2. Write the types of 't' test.
3. What is Cohort study?
4. Find the Mode of following data
   2,3,3,5,3,4,3,3,3,4,2,2.
5. Define Incidence Rate.

MEDICAL

[BSCN 1023]	**OCTOBER 2023**	**Sub. Code: 4733**
	(AUGUST 2023 EXAM SESSION)	

B.Sc. (Nursing) DEGREE EXAMINATION
(Regulations for the candidates admitted up to 2012-2013)
FINAL YEAR
PAPER III – NURSING RESEARCH & STATISTICS
Q.P. Code: 664733

Time: Three Hours   **Maximum : 75 Marks**

SECTION - A
NURSING RESEARCH

I. Elaborate on: **(1 x 15 = 15)**

1. Explain types and steps of Review of Literature.

II. Write notes on: **(5 x 5 = 25)**

1. Barriers to research utilization.
2. Importance of theory in research.
3. Systematic sampling with example.
4. Interview.
5. Requirements of a good sample.

III. Short answers on: **(5 x 2 = 10)**

1. Reliability.
2. Ordinal Scale.
3. Cluster sampling.
4. Population.
5. Control.

SECTION – B
STATISTICS

I. Elaborate on: **(1 x 15 = 15)**

1. The blood cholesterol level of ten persons are 240, 260, 290, 245, 255, 288, 272, 263, 247 and 257. Calculate the standard deviation of the given discrete data.

II. Short answers on: **(5 x 2 = 10)**

1. Statistical Package for Social Science.
2. Lottery method.
3. Scatter Diagram.
4. Classification of datas.
5. Write properties of normal distribution curve.

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