

Reg. No:

**First Year B.Sc Dialysis Technology Degree Regular/Supplementary
Examinations November 2025
Basics of Biostatistics and Principles of Nursing
(2020 and 2024 Scheme)**

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*
- *Simple calculator shall only be permitted*

QP CODE: 107023

Basics of Biostatistics

Max. Marks: 50

Essay

(10)

1. What is biostatistics. Describe the uses and applications of biostatistics in detail.

Short Notes

(10x4=40)

2. Describe skewness with diagram
3. Graphical presentation of statistical data
4. Explain briefly the measures of dispersion.
5. Briefly describe binomial distribution
6. The height of 10 boys in class X in cm are
165,182,159,164,166,165,162,165,176,170.
Calculate Mean, Median, Mean deviation and Standard deviation for the given data.
7. What is coefficient of variation. The mean birth weight of 10 newborn babies is 3.2 Kg and standard deviation is 0.5 Kg. Calculate coefficient of variation.
8. Write a short note on cluster sampling.
9. Write briefly on mortality indicators
10. Describe types of variables with example
11. The midyear population of a panchayat X during 2023 was 40000. There were 300 births and 200 deaths during the same year. There were 5 deaths of children less than 1 year of age, 10 maternal deaths.
Calculate crude birth rate, crude death rate, infant mortality rate and maternal mortality rate of the panchayath X from the above data

QP CODE: 106023

Principles of Nursing

Max. Marks: 50

Essay

(10)

1. Define CAPD. Prepare a teaching plan for patients planning to carry out CAPD at home

(2+8)

Short Notes

(10x4=40)

2. Differences between open bed and occupied bed
3. Catheter associated urinary tract infections
4. Preventing needle stick injuries
5. Types of wound dressing materials
6. Guidelines for removing sutures
7. Musculoskeletal system complications and its prevention in bed ridden patients
8. Pros and cons of computer documentation
9. Explain sample collection for blood culture
10. Complications of intravenous injections
11. Discuss general safety rules to be followed in medical laboratories

CORRECTION / NO-CORRECTION FILE
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QPCODE: 106023

Dated: 21-11-2025

QP CODE: 106023

Question No. 8

Modified as “ Computer documentation.”

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No Corrections.

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS