

Reg. No:

**First Year B.Sc Dialysis Technology Supplementary Examinations
June 2024**

Basics of Biostatistics and Principles of Nursing

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*

QP CODE: 107023

Basics of Biostatistics

Max. Marks: 50

Essay

(10)

1. Explain normal distribution and its characteristics, skewness, kurtosis, outliers, and significance levels.

Short Notes

(10x4=40)

2. Study population and Sample
3. Variance and Standard deviation
4. Variables and their types
5. Types of diagrams
6. Importance of health indicators
7. The midyear population of a Panchayath was 53,281. There were 384 deaths in 2020. The number of MI cases in this area in this period was 238 out of which 106 died. The number of births in this area in this period was 801 out of which 9 infants died. One maternal death was also reported in this area during this period. Calculate all possible mortality rates.
8. Chi square test
9. Simple Random Sampling
10. Calculate measures of averages and variation of the following blood urea levels.
21,26,38,32,24,30
11. Inferential statistics.

QP CODE: 106023

Principles of Nursing

Max. Marks: 50

Essay

(10)

1. Define bladder catheterization. Describe the purposes of bladder catheterization. Explain the steps of inserting the Foley's catheter in a male patient.

Short Notes

(10x4=40)

2. Explain the procedure, intravenous cannula insertion.
3. Steps involved in wound dressing
4. Collection of sputum specimen for culture
5. Guidelines for staple removal
6. Types of peritoneal dialysis
7. Purposes of bed making
8. Care of bed ridden patients
9. Complications of peritoneal dialysis
10. Explain the Pre- Operative management of patients undergoing general surgery
11. Methods of documentation
