

Reg. No:

**First Year B.Sc Dialysis Technology Regular/Supplementary
Examinations November 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. What is Statistical significance. Explain bio statistical tests of significance.

Short Notes

(10x4=40)

2. Graphs used for Qualitative data.
3. Measurement scales
4. Measures of Central tendency
5. Sampling Techniques
6. Measures of Mortality
7. If the mean height is 160 cm with standard deviation of 5 cm. Calculate the Z score for an observation of 171.8 cm and interpret the result.
8. Type I & Type II errors
9. Scatter Diagram
10. The weight of 6 randomly chosen subjects are 64,64,68,59,70 and 73. Another random sample of 10 subjects had their weights of 61,62,64,70,65,70,73,72,70 and 71kg. Compare the mean and variance of the two group of subjects.
11. Sources of vital statistics.

QP CODE: 106023

Principles of Nursing

Max. Marks: 50

Essay

(10)

1. a) Define bladder catheterisation. Describe the principles involved in bladder catheterisation.
b) Explain the steps of inserting the Foley's catheter in a female patient

Short Notes

(10x4=40)

2. Care of AV fistula
3. Elements of documentation
4. Collection of urine specimen for culture
5. Guidelines for Suture removal
6. Care of patients undergoing peritoneal dialysis
7. Types of hospital beds
8. Care of bed ridden patients
9. Complications of peritoneal dialysis
10. Explain the Pre-Operative management of patients undergoing general surgery
11. Steps involved in wound dressing
