

## First Year B.Sc Dialysis Technology Regular Examination June 2021

### Principles of Nursing and Basics of Biostatistics

**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: 106023**

**Principles of Nursing**

**Max. Marks: 50**

#### **Essay**

**(10)**

1. Explain the complications seen in a bedridden patient. Care of a bedridden patient.  
(4+6)

#### **Short Notes**

**(10x4=40)**

2. Types of hospital beds
3. Principles of injections
4. Care of AV fistula
5. Guidelines for Suture removal
6. Collection of urine specimen for urine routine examination
7. Purposes and guidelines of recording & reporting
8. Sites and equipments for intravenous access procedure
9. Indications of CAPD
10. Cleaning and dressing of vascular access site
11. Subcutaneous injections

\*\*\*\*\*

**QP CODE: 107023**

**Basics of Biostatistics**

**Max. Marks: 50**

#### **Essay**

**(10)**

1. Describe the measures of central tendency and location with examples.

#### **Short Notes**

**(10x4=40)**

2. Describe Skewness and kurtosis with diagram.
3. Descriptive Statistics
4. Sampling error
5. Explain the different types of presentation of data.
6. Probability sampling methods
7. Conditional variability.
8. Correlation
9. Type 1 and Type 2 error.
10. Systolic BP of 10 patients is given below. Calculate measures of central tendency and measures of dispersion.  
130, 110, 160, 120, 170, 120, 150, 140, 160, 140
11. The estimated midyear population in a village was 12000 during the year 2019. During the same year 40 new dengue cases and 80 new leptospirosis cases were reported. Among them 6 deaths due to dengue and 10 deaths due to leptospirosis occurred in that same year. Total deaths in that village were 72 in that year. Calculate all possible measures of mortality and morbidity.

\*\*\*\*\*