

**First Year B.Sc Dialysis Technology Supplementary Examination
November 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. Define the term wound. Describe the steps involved in wound dressing. Identify the purpose of commonly used wound dressing materials. (1+5+4)

Short Notes

(10x4=40)

2. Purposes of bed making.
3. Reasons for administering intravenous fluids.
4. Guidelines that apply to charting.
5. Compare and contrast different types of urine specimens.
6. Haemostatic instruments used in minor surgeries.
7. Indications and contraindications of continuous ambulatory peritoneal dialysis.
8. Complications associated with indwelling urinary catheter.
9. Differentiate between sutures and staples. Discuss the steps involved in removal of staples.
10. Care of bed ridden patients.
11. Transfer of specimens to the laboratory.

QP CODE: 107023

Basics of Biostatistics

Max. Marks: 50

Essay

(10)

1. What are the sources of information. Describe at least ten sources in detail

Short Notes

(10x4=40)

2. Write a short note on bar charts with suitable diagrams.
 3. Briefly discuss the types of data
 4. Define mean, median and mode
Calculate the weighted mean income of resident doctors in a medical college from the following data. The monthly stipend of junior residents is 50000 rupees and senior residents are 70000 rupees. There are 20 junior residents and 10 senior residents.
 5. What is coefficient of variation. The mineral content of sample of millets are given below (mg/100g).
1,5,4,2,4,3.
Calculate the coefficient of variation.
 6. Briefly discuss morbidity and mortality rates.
 7. Mention the uses and applications of Biostatistics".
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|---|---|---|---|---|---|----|---|----|---|---|
| | A | B | C | D | E | | | | | |
| F | G | H | I | J | | | | | | |
| X | 5 | 2 | 3 | 7 | 1 | 10 | 4 | 9 | 6 | 8 |
| Y | 6 | 1 | 2 | 9 | 3 | 8 | 3 | 10 | 7 | 9 |
8. Differentiate between skewness and kurtosis.
 9. Explain briefly Stratified random sampling procedure and Multistage sampling procedure.
 10. Write a short note on Normal Curve..
 11. Midyear population of a town was 210000 during the year 2000. In the same year there were 5000 live births and 2000 deaths. Total maternal deaths occurred were 22 and there were 300 infant deaths and 105 still births. Calculate Crude birth rate and all possible mortality rates from the given data.
