

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002

B.Sc. (NURSING) FIRST YEAR DEGREE EXAMINATIONS: AUGUST, 2024

NUTRITION AND BIOCHEMISTRY

Time: 3 Hours

Max Marks: 75

Note: Answer part **A & B** questions in two separate answer books

Question in part “**A**” should not be answered in part “**B**” and vice versa. Otherwise they will not be valued

Part-A (NUTRITION) = 45Marks

Write an essay on any TWO of the following:

2 X 10 = 20

1. a) Define Menu Planning .
b) Discuss the importance of menu planning. (3+7)
2. a) Explain Nutrition Assessment
b) Discuss the role of Nurse in Nutritional Assessment. (3+7)
3. Classify Carbohydrates. Explain about the digestion, absorption and metabolism of Carbohydrates. (3+7)

Write short note on any THREE of the following:

3 X 5 = 15

4. Explain the factors affecting food and Nutrition.
5. Discuss about full liquid diet and its uses.
6. Write the functions of Proteins.
7. Enumerate the effects of Dehydration and its management.
8. Write a note on diet in Pregnancy.

Write briefly on the following:

5 X 2 = 10

9. Define Hyperkalemia.
10. Hypervitaminosis.
11. Functions of Iodine.
12. Oral Rehydration Therapy.
13. Functions of Vitamin K.

Part-B (BIOCHEMISTRY) = 30 Marks

Write an essay on any ONE of the following:

1 X 10 = 10

14. Describe the Urea Cycle.
15. Give the sources, Biochemical, functions, deficiency manifestations and RDA of Vitamin A.

Write short note on any TWO of the following:

2 X 5 = 10

16. GTT.
17. Synthesis and significance of Ketone bodies.
18. Enumerate the functions of albumin.
19. Write a note on Blood Buffers.
20. Write the classification of enzymes with two examples for each class.

Write briefly on the following:

5 X 2 = 10

21. Essential amino acids.
22. Normal Blood levels of Cholesterol.
23. Rothera's Test.
24. Sodium Pump.
25. Functions of Vitamin D.
