

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 (45 Marks)

Write an essay on any TWO of the following: **2 X 10 = 20**

1. List out various national nutritional programmes and write about any three and role of nurse in national nutritional programmes.
2. Define therapeutic diet. Write about principles and objective of therapeutic diet and plan therapeutic diet for diabetes mellitus.
3. Write about the classification of vitamins. And write in detail about any three water soluble vitamins.

Write a short note on any THREE of the following: **3 X 5 = 15**

4. Vitamin A deficiency.
5. Plan diet for obesity.
6. Food borne disease.
7. Pasteurization.
8. Food storage.

Write briefly on the following: **5 X 2 = 10**

9. Organic and inorganic foods.
10. Define soft diet and write any two examples for soft diet.
11. Objectives of ICDS.
12. Deficiency of sodium.
13. Types of therapeutic diet.

PART-B

BIOCHEMISTRY (30 Marks)

Write an essay on any ONE of the following: **1 X 10 = 10**

14. Describe briefly the classification of enzymes. According to the system examples for each class.
15. What is alkalosis? Describe metabolic and respiratory Alkalosis.

Write a short note on any TWO of the following: **2 X 5 = 10**

16. Chromatography.
17. Liver function test.
18. Cholesterol metabolism.
19. Write on dehydration.
20. HLA typing and clinical significant of this technique.

Write briefly on the following: **5 X 2 = 10**

21. Sources of riboflavin.
22. Characteristics of antigen.
23. Deficiency of iron and write sources of iron.
24. What are free radicals?
25. Write any two examples of disaccharides.
