

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. Define Nutrition Education. Write in detail methods of nutrition education.
2. List out various nutrition problems in India. Explain any three in detail in nutritional problems.
3. Define Malnutrition. Signs and symptoms of Malnutrition and role of nurse in prevention of malnutrition.

Write a short note on any THREE of the following:

3 X 5 = 15

4. National Iodine deficiency control program.
5. Therapeutic diet.
6. Principles for preservation of nutrients.
7. Functions and sources of calcium.
8. Fluid electrolyte balance.

Write briefly on the following:

5 X 2 = 10

9. Advantages of cooking.
10. Micro and Macronutrients.
11. Signs and symptoms of Scurvy.
12. Write any four principles of nutrition education.
13. Signs and symptoms of Marasmus.

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 given examples for each class.
15. Describe the sources, requirement and biochemical functions of calcium.

Write a short note on any TWO of the following:

2 X 5 = 10

16. Transport of Lipids.
17. Structure and functions of Immunoglobulin.
18. Test for sugar and albumin in urine.
19. Biosynthesis and its regulation.
20. ELISA Test.

Write briefly on the following:

5 X 2 = 10

21. Deficiency of Vitamin A
22. Atherosclerosis.
23. Functions of Collagen.
24. Antioxidants.
25. Define Osmosis.
