

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS**  
**(Deemed to be University) , SALEM**

**B.Sc. (NURSING) DEGREE EXAMINATION – August 2021**  
**First Year**

**NUTRITION AND BIOCHEMISTRY**

Time: Three hours

Maximum: 75 marks

**Answer Part A and Part B in separate Answer Book**

**PART – A**

**NUTRITION**

**Maximum: 45 marks**

**SECTION – A**

I. Answer **All** Questions. Each answer in one or two sentences: (10 x 1 = 10)

1. Define carbohydrates.
2. What is Hypervitaminosis?
3. Define BMI.
4. What is protein energy Malnutrition?
5. Name any two dietary sources of protein.
6. What is Food adulteration?
7. Give four rich sources of calcium.
8. List out some essential Amino acids.
9. Mention any two functions of Fat.
10. Write about the sources and classification of dietary Fibres.

**SECTION – B**

II. Write Short Notes on any **THREE** of the following: (3 x 5 = 15)

11. Write about the Functions and deficiencies of Vitamin – C.
12. Discuss Mid-day meal Programme.
13. Discuss the functions of water.
14. Discuss canning.
15. What are the general Functions of Minerals?

**SECTION – C**

III. Answer any **Two** of the following: (2 x 10 = 20)

16. Define Nutritional Assessment. Explain the methods of Nutritional Assessment.
17. Explain the Role of Nurse in National Vitamin - A deficiency Programme.
18. Explain about water soluble Vitamins.
19. Discuss the Methods of Cooking.

(p.t.o)

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**PART – B**

**BIOCHEMISTRY**      **Maximum: 30 marks**

**SECTION – A**

I. Answer **All** Questions. Each answer in one or two sentences:      (5 x 1 = 5)

1. Examples for Monosaccharide's.
2. Peptides.
3. Normal value of Urea.
4. Hyper vitaminosis.
5. pH – Define.

**SECTION – B**

II. Write short notes on any **THREE** of the following:      (3 x 5 = 15)

6. Types of Vitamins.
7. Digestion and Absorption of Proteins.
8. Cori's Cycle.
9. Artherosclerosis.
10. Disaccharides.

**SECTION – C**

III. Answer any **ONE** of the following:      (1 x 10 = 10)

11. (a) Glycolysis – add a note on its Bio – Energetics.

**(OR)**

- (b) Elaborate the steps in Cholesterol Biosynthesis.

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(Sl.No.M2381)