

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

B.Sc. (NURSING) DEGREE EXAMINATION – November -2020
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 nutrition.
2. What is goitre?
3. Give two sources of proteins.
4. What are essential amino acids?
5. What is rancidity?
6. What are Di-Saccharides?
7. Define malnutrition.
8. Define BMR.
9. What do you mean by specific Dynamic action of feed?
10. List out the methods of preservation of food.

SECTION – B

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

11. Discuss any two nutritional programmes.
12. Explain the factors affecting BMR.
13. Properties of fats.
14. Role and dietary fibre.
15. Vitamin – A deficiency diseases.

SECTION – C

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

16. Discuss about the assessment of nutritional status of a community.
17. Explain Bomb - Calorimeter.
18. Discuss iron in detail.
19. Explain about the digestion, absorption and utilization of carbohydrates.
20. Explain Vitamin – D in detail.

(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. Amino acids.
2. Mitochondria.
3. Normal value of Cholesterol.
4. Scurvy.
5. Phospholipids.

SECTION – B

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

6. Cytoskeleton.
7. Types of Polysaccharide.
8. Classification of enzymes.
9. Artherosclerosis.
10. HLA typing.

SECTION – C

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

11. (a) Elaborate the steps in Kreb's cycle with energetic.

(OR)

(b) Describe urea cycle.

(Sl.No. M23110)