

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

B.Sc. (NURSING) DEGREE EXAMINATION – February 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. Give the classification of food.
2. What are the types of Beri-Beri?
3. Define Dehydration?
4. What are perishable foods?
5. Define digestibility co-efficient of food?
6. What is scurvy?
7. List out four examples of supplementary foods?
8. What is Ber-Beri?
9. Give two sources of Dietary fibre?
10. Classify Carbohydrates?

SECTION – B

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

11. List out the principles of Menu planning?
12. Discuss canning?
13. Anthropometric measurements?
14. Classification of Proteins?
15. Anaemia?

SECTION – C

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

16. Discuss the methods of cooking in detail?
17. Explain the digestion and absorption of proteins?
18. Discuss any two common nutritional problems in detail?
19. Explain the determination of BMR in details?

(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. Lipo proteins.
2. Essential Aminoacids.
3. Normal value of Urea.
4. Hypervitaminosis
5. Inhibitors.

SECTION – B

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

6. Antioxidant.
7. Types of Proteins.
8. Role of VLDL in transport of Lipids.
9. Cori's cycle.
10. Sodium Pump transport mechanism.

SECTION – C

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

11. (a) Describe the breakdown of Fatty acid Metabolism.

(OR)

(b) Enumerate the steps in Protein Biosynthesis.

(Sl.No. M2056)