

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

**B.Sc. (NURSING) DEGREE EXAMINATION – August 2019
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. What is night blindness?
2. Mention the overconsumption disease for carbohydrate.
3. List out the functions of vitamin E.
4. Expand BMR.
5. List down the classification of minerals.
6. Enumerate the methods of cooking.
7. State the simple beverages.
8. What is body building food?
9. What is unit of energy?
10. List down the effects of electrolytes imbalance.

SECTION – B

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

11. Balanced diet.
12. Menu plan for a patient with diabetes mellitus.
13. Role of nurse in nutritional education.
14. Classification, digestion and absorption of carbohydrates.
15. Elements of nutrition.

SECTION – C

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

16. Factors affecting food and nutrition in detail.
17. Explain about vitamin C in detail.
18. Elaborate on assessment of nutritional status.
19. Discuss food budgeting.

--(2)--

PART – B

BIOCHEMISTRY **Maximum: 30 marks**

SECTION – A

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

1. Functions of calcium.
2. Name the essential fatty acids.
3. Define glycolysis.
4. Elastin.
5. Lysosome.

SECTION – B

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

6. Regulation of cholesterol synthesis.
7. Scurvy.
8. Isoenzymes.
9. Lipoproteins.
10. Classify carbohydrates.

SECTION – C

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

11. (a) Describe gluconeogenesis in detail add a note on Cori's cycle.

(OR)

(b) Describe TCA cycle in detail with energetics and explain it is said to be amphibiotic in nature.

(Sl.No.M21529)