

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[BSCN 0622]**

**JUNE 2022  
(FEBRUARY 2022 SESSION)**

**Sub. Code: 4702**

**B.Sc. (Nursing) DEGREE EXAMINATION  
(Regulations for the candidates admitted from 2006-07 onwards)**

**FIRST YEAR  
PAPER II – NUTRITION AND BIOCHEMISTRY  
Q.P. Code: 664702**

**Time : Three Hours**

**Maximum : 75 Marks**

**Answer Section A and Section B Separately**

**SECTION - A  
(NUTRITION)**

**I. Elaborate on: (1 x 15 = 15)**

1. Detail on the National nutrition programs with its objectives, role and functions.

**II. Write notes on: (4 x 5 = 20)**

1. Digestion and absorption of carbohydrates.
2. Determination of energy value of food by using Bombcaloriemeter.
3. Nutritional classification of proteins.
4. Distribution and Regulation of body water.

**III. Short answers on: (5 x 2 = 10)**

1. The medicinal value of spices and condiments. Give 2 examples.
2. Define Nutritional Status.
3. Give four functions of vitamin C.
4. Brief on the basic five food groups.
5. Nutritional Anemia.

**SECTION - B  
(BIOCHEMISTRY)**

**I. Elaborate on: (1 x 15 = 15)**

1. Write an urea cycle and add a note on ammonia toxicity.

**II. Write notes on: (1 x 5 = 5)**

1. Disaccharids in detail.

**III. Short answers on: (5 x 2 = 10)**

1. Lysosomes.
2. Benedict's Test.
3. Ketone bodies.
4. Pellagra.
5. Immunoglobulins.

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