

MEDICAL**[BSCN 1221]****DECEMBER 2021
(FEBRUARY 2021 SESSION)****Sub. Code: 4702****B.Sc. (Nursing) DEGREE EXAMINATION
(New 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. Illustrate the Functions, Sources and Deficiency of Calcium.

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

1. Disaccharides.
2. Nutritional Classification of Proteins.
3. Explain in detail about any two Therapeutic Diets.
4. Dehydration.

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

1. List out two methods of Anthropometric Measurements.
2. Name the deficiency disease of Niacin and Vitamin – B12.
3. Name two methods of Food Preservation.
4. List out Electrolytes.
5. Define Energy.

**SECTION - B
(BIOCHEMISTRY)****I. Elaborate on:****(1 x 15 = 15)**

1. Describe in detail about the β Oxidation of Fatty Acids. Mention the energetics and its deficiency.

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

1. Metabolic acidosis and metabolic alkalosis in detail.

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

1. Define cell with example.
2. Normal ranges of Electrolytes.
3. Jaundice.
4. Isoenzyme with two examples.
5. Define Gluconeogenesis.