

[LJ 1011]

AUGUST 2016

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. Define balanced diet. What are the factors to be considered in preparing a menu?

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

1. Define BMR. What are the factors affecting BMR?
2. What is the need for preservation of nutrients? What are the methods followed in preserving nutrients?
3. Explain the role of nurse in nutritional programmes with reference to Vit A drops program.
4. Write in detail the electrolytic principle of sodium and potassium.

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

1. How are carbohydrates classified?
2. Protein energy malnutrition.
3. What are the deficiency manifestations of vitamin K?
4. What are the sources of iron?
5. Write the symptoms of osteomalacia.

SECTION B
(BIOCHEMISTRY)

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

1. Write down the steps involved in Urea cycle and how it is regulated?

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

1. Metabolic acidosis.

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

1. Define glycolysis.
2. Normal values of serum electrolytes.
3. Two examples for isoenzymes.
4. Name the essential fatty acids.
5. Purine catabolism and its normal value.
