

[LN 1011]

AUGUST 2018

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 cooking? Briefly explain the different methods of cooking for preserving nutrients.

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

1. Explain the proteins classification?
2. What are the general functions of minerals.
3. Clinical manifestations of vitamin-A deficiency.
4. Methods of assessment of nutritional status.

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

1. Define fatty acids.
2. Distinguish Osteoporosis and Osteomalacia.
3. Write the role of water and electrolytes in the body.
4. Define food adulteration.
5. Mention the malconsumption effects of carbohydrates in the body.

SECTION - B
(BIOCHEMISTRY)

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

1. Write the Gluconeogenesis process in detail and explain the action of key enzymes on it?

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

1. Lipoproteins and their functions.

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

1. Difference between DNA and RNA (any two).
2. Serum proteins and their normal values.
3. What is semi-essential amino acid?
4. Induced fit model of enzyme activity.
5. Write any two functions of anti-oxidants.
