

[LM 1011]

FEBRUARY 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. What are macronutrients? Discuss the digestion, absorption and utilization of carbohydrates in detail.

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

1. Importance of dietary fibre on health.
2. Explain the principles of cooking and its effects on foods.
3. Deficiency manifestations of water.
4. Write about the Iodine deficiency control (IDD) programme.

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

1. Define lathyrism and fluorosis.
2. Mention the clinical symptoms of Hypokalaemia and Hyponatremia.
3. Distinguish between overweight and obesity.
4. Write about the food guide pyramid for balanced diet.
5. What are the clinical features of Vitamin-D deficiency?

SECTION B
(BIOCHEMISTRY)

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

1. Describe the β -oxidation of fatty acid and its energetics.

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

1. Cori cycle.

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

1. Ribosome.
2. Optimum pH.
3. Saturated fatty acids.
4. Elastin.
5. Write any two functions of lipids.
