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[LQ 0220] **FEBRUARY 2020** 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. Discuss the methods of cooking in detail.

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

1. Functions of calcium.
2. Functions and deficiency of vitamin C.
3. Mid-day meal programme.
4. Plan a menu for a pregnant woman.

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

1. Define BMR.
2. Two types of weaning foods.
3. What is pellagra?
4. Classification of food.
5. Sources and classification of dietary fibres.

SECTION - B
(BIOCHEMISTRY)

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

1. Explain in detail about TCA cycle, its energetics and regulation.

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

1. Define lipoprotein and its classification.

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

1. Gout disease.
2. What is a suicide bag?
3. Hyper-vitaminosis.
4. Define osmosis.
5. Name the purine and pyrimidine bases.

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