

[LK 1011]

FEBRUARY 2017

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. Describe briefly on any one national organization working towards nutrition.

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

1. Narrate the classification of food in detail.
2. Explain deficiency of vitamin A in children.
3. Write a note on PFA (Prevention of Food Adulteration Act).
4. Discuss the role of nutrition in maintaining health.

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

1. Name the five best sources of calcium.
2. Define balanced diet with example.
3. Give the clinical symptoms of iron deficiency.
4. What is oedema?
5. Discuss any four factors you will consider while planning a menu.

**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. Essential aminoacids.

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

1. Functions of lysosomes.
2. Significance of HMP shunt.
3. Name the specialized products formed from glycine.
4. Mention the types of immunoglobulins.
5. Define co-enzymes.

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