

2010 Scheme

Reg. No:

First Year B.Sc Nursing Degree Supplementary Examinations October 2024 Nutrition and Biochemistry

Time: 3 Hours

Max Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*
- *Write section A (32 Pages) and section B (32 Pages) in separate answer books. Do not mix up questions from section A and section B.*

**Q P Code: 104010
Essay**

Section A – Nutrition

**Marks: 50
(10)**

1. Discuss the sources, daily allowances, metabolism, functions and deficiency manifestation of iron. (1+1+3+3+2)

Short notes

(5x5=25)

2. Functions of proteins.
3. Assessment of nutritional status
4. Vitamin A deficiency programme
5. Digestion and absorption of proteins
6. Scurvy

Answer Briefly

(5x3=15)

7. Preservation of food
8. National Iodine Deficiency Disorder Programme.
9. Classification of Fat
10. Body Mass Index
11. Dehydration.

**Q P Code: 105010
Essay**

Section B – Biochemistry

**Marks: 25
(10)**

1. Discuss the steps involved in the formation and utilization of ketone bodies. Add a note on ketoacidosis (6+4)

Short notes

(2x5=10)

2. Structure and functions of immunoglobulins
3. Degradation of heme

Define the following

(5x1=5)

4. Name TWO enzymes elevated in obstructive jaundice.
5. Name the deficiency disorder of thiamine.
6. Give TWO functions of plasma proteins.
7. Name TWO enzymes used in ELISA.
8. Give ONE difference between prokaryotic and eukaryotic cell
