2010 Scheme

Reg. No: ……..……..

First Year B.Sc Nursing Degree Supplementary Examinations May 2023
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 **Section A – Nutrition** **Marks: 50**

Essay **(10)**

1. Describe how ammonia is detoxified in the body. Discuss any two types of hyperammonemias. (2+8)

Short notes **(5x5=25)**

2. Protein energy malnutrition
3. Classification of carbohydrates
4. Functions of water
5. Deficiency of vitamin C
6. Therapeutic modifications in consistency

Answer Briefly **(5x3=15)**

7. List the functions of fat
8. What are macro nutrients and micronutrients
9. Food additives
10. Dietary sources and Deficiency of iron
11. List different methods of nutrition education

Q P Code: 105010 **Section B – Biochemistry** **Marks: 25**

Essay **(10)**

1. Describe how ammonia is detoxified in the body. Discuss any two causes of hyper amnonemias (6+4)

Short notes **(2x5=10)**

2. Renal regulation of pH
3. Functions and deficiency manifestation of Vitamin D

Define the following **(5x1=5)**

4. Name the enzymes elevated in obstructive liver disease
5. What is glycated hemoglobin. Mention its clinical importance
6. Name the enzyme deficient in lactose intolerance
7. Name the compounds formed from cholesterol
8. Write two causes for ketoacidosis

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