

**First Year B.Sc Nursing Degree Supplementary Examinations
May (November), 2020**

Nutrition and Biochemistry

(2016 Scheme)

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
- 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: 114010

Section A – Nutrition

Marks: 50

Short Essay

(2x7= 14)

1. Explain the digestion and absorption of carbohydrates. List the functions and characteristics of carbohydrates
2. Write methods of nutritional assessment and role of nurse in nutrition education

Short Notes

(5x4=20)

3. Scurvy
4. Plan a menu for pregnant women
5. Anthropometric measurement
6. Principles of cooking and serving
7. Mid-day meal programme

Answer Briefly

(4x4=16)

8. Sources of iron
9. Enumerate water balance and its regulation
10. Food groups by ICMR
11. Factors affecting BMR

Q P Code: 115010

Section B – Biochemistry

Marks: 25

Short Essays

(2x5=10)

1. Discuss the transport mechanisms across the cell membrane.
2. Classification and biological importance of carbohydrates

Short notes

(2x3=6)

3. Ketogenesis
4. Blood buffers

Differentiate Between

(3x3=9)

5. Metabolic acidosis and metabolic alkalosis
6. Prehepatic jaundice and obstructive jaundice
7. Saturated fatty acids and unsaturated fatty acids