

First Year B.Sc Nursing Degree Regular/Supplementary Examinations

October 2019

Nutrition and Biochemistry

(2016 Scheme)

Time: 3 Hours

Max Marks: 75

- Answer all questions
- 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 classification, functions and digestion of fat.
2. What is food preservation ? Explain different methods of food preservation.

Short Notes

(5x4=20)

3. Pellagra
4. Function of protein
5. Calcium deficiency
6. Factors affecting food and Nutrition"
7. Principles of Menu Planning

Answer Briefly

(4x4=16)

8. Nutritional problems in India
9. Role of fiber
10. Vitamin A prophylaxis programme
11. Menu plan for a sedentary diabetic patient

Q P Code: 115010

Section B – Biochemistry

Marks: 25

Short Essays

(2x5=10)

1. What are the sources of ammonia. How ammonia is detoxified
2. Discuss the biochemical functions and deficiency manifestations of vitamin C

Short notes

(2x3=6)

3. Structure and functions of mitochondria.
4. What is the normal blood glucose level and how it is regulated

Differentiate Between

(3x3=9)

5. Respiratory acidosis and respiratory alkalosis
6. Simple lipids and compound lipids
7. Glucogenic amino acids and ketogenic amino acids