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## First Year B.Sc Nursing Degree Supplementary Examinations April 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. Discuss about protein energy malnutrition in detail.
- 2. Explain about water soluble vitamins in detail.

Short Notes (5x4=20)

- 3. Nutritional programme in India
- 4. Canning
- 5. Sources of calcium
- Goiter
- Role of fiber

Answer Briefly (4x4=16)

- Factors affecting food and nutritional intake
- Functions of carbohydrates
- 10. Menu plan for a diabetic adult man doing sedentary work

11.ICDS

Q P Code: 115010 Section B – Biochemistry Marks: 25
Short Essays (2x5=10)

- Digestion and absorption of carbohydrates.
- 2. Dietary sources, biochemical functions and deficiency manifestations of vitamin A

Short notes (2x3=6)

- 3. What are isoenzymes. Give examples of isoenzymes with their clinical importance.
- Plasma buffers

Differentiate Between (3x3=9)

- Immunoglobulin (G) and immunoglobulin (M)
- Essential amino acids and non-essential amino acids
- Starch and glycogen

