

B.Sc. Nursing (Pt.-I)

B.Sc. Nursing Part-I (Main & Remanded) Examination

November - 2015

NUTRITION AND BIOCHEMISTRY

Paper-II

(Section A & B)

Time: Three Hours

Maximum Marks: 80

Question No.4 of Section A and B both are compulsory

Attempt any TWO from rest of the questions in each section

(Use Separate Answer-Book for Each Section)

SECTION – A (Nutrition) Marks : 40

- 1) Classify carbohydrates. Describe their functions, dietary sources and deficiency diseases. 2+3+3+4
- 2) Write briefly on any three of the following:
 - a) Functions of protein & its sources. 4
 - b) Digestion and absorption of fats. 4
 - c) Function of water & Electrolytes. 4
 - d) Factors affecting food and nutrition. 4
- 3) Explain the nutritional problems in India and the national nutrition policy. 12
- 4) Write short notes:
 - a) Role of nutrition in maintaining health. 8
 - b) Prevention of food adulteration act. 8

SECTION – B (Biochemistry) Marks : 40

- 1) Define gluconeogenesis. Explain the pathway of gluconeogenesis. 2 + 10
- 2) Discuss briefly:
 - a) Importance of biochemistry for nurses. 6
 - b) Blood buffer. 6
- 3) Write briefly:
 - a) RNA-types and functions. 6
 - b) Classify lipids and mention functions of lipids. 6
- 4) Write short notes on:
 - a) Urea cycle. 4
 - b) Essential amino-acids. 4
 - c) Glycolysis in RBC 4
 - d) Metabolic Acidosis. 4