



NB-21262

Seat No. _____

First Year Basic B. Sc. (Nusing) Examination

January – 2017

Nutrition & Biochemistry

Time : **3** Hours]

[Total Marks : **75**

- Instructions:
- (1) SECTION -I and II Must be written in separate answer
 - (2) Right side figures indicates marks.
 - (3) Draw neat labeled diagrams whenever necessary.

SECTION I : (NUTRITION)

- 1 (a) Factors affecting food and nutrition in our body. 15
(b) Process of Digestion of Protein in our body.
- 2 Short Essay : (Any-3) 15
 - (1) Function of fat in our body
 - (2) Assessment of Nutritional status
 - (3) Nutritional problems in india
 - (4) Protein energy malnutrition (PEM)
 - (5) Explain BMI & BMR.
- 3 Briefly answer following : (Any 4) 8
 - (a) Food adulteration
 - (b) Tetany
 - (c) Weaning
 - (d) Food groups
 - (e) Calcium.

SECTION II : (BIOCHEMISTRY)

- 1 Short answers :
 1. Plasma proteins and their function
 2. Role of liver in fat metabolism
 3. Mechanism of antibody production.

 - 2 Short answers : (ANY THREE)
 - a. How do DNA and RNA differ in Composition and biological function?
 - b. Write the characteristics of enzymes
 - c. Write the function of blood
 - d. Glucose Tolerance Test
 - e. Amino acids.

 - 3 List the classification of carbohydrates. Discuss the TCA cycle.
-