



**GA-191002**

Seat No. \_\_\_\_\_

**First Year B. Sc. (Nursing) Examination**

**March / April – 2019**

**BSNOC - 102 : Nutrition & Biochemistry**

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Write each section in a separate answer book.  
(2) Tie both sections separately.  
(3) All the questions are compulsory.  
(4) Figures to the right indicates full marks.  
(5) Draw diagram whenever necessary.

**SECTION - I (Nutrition) (45 Marks)**

- 1 Answer in brief : (Any Four) 4×5=20**  
(1) BMI and BMR  
(2) Role of nurses in Nutrition and health counselling  
(3) National organizations for nutrition and health  
(4) Explain the macronutrients and micronutrients  
(5) ICDS Programme  
(6) Direct and Indirect method for assessing nutritional status
- 2 Write signs and symptoms of following disorders : 3×3=9**  
**(Any Three)**  
(1) Scurvy  
(2) Anemia  
(3) Goiter  
(4) Kwashiorkor
- 3 Write functions of following : (Any Two) 2×3=6**  
(1) Protein  
(2) Carbohydrates  
(3) Water

**4 Define : (Any Five) 5×2=10**

- (1) Obesity
- (2) Nutrition
- (3) Health
- (4) Balanced diet
- (5) Essential amino acids
- (6) Malnutrition

**SECTION - II (Biochemistry) (30 Marks)**

**1 Write short notes : (Any Three) 3×4=12**

- (1) Beta oxidation
- (2) Vitamin A and its Importance
- (3) Essential amino acids
- (4) Liver Function Test

**2 Define lipids. Write down classification of lipids with examples. 8**

**3 Give an account on : (Any Two) 2×5=10**

- (1) Urea cycle
  - (2) Phospholipids
  - (3) Renal Function Test
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