

MAR23-1-1501

B. Sc. Nursing Semester-II Examination

MARCH-2023

Applied Biochemistry and Applied Nutrition and Dietetics

Total Marks : 75

Time : 3 Hours

- Instruction:**
1. The number to the right indicates full marks.
 2. Draw diagram wherever necessary.
 3. Answer each section in the respective answer sheet only.
 4. Answer written in the inappropriate sectional answer book will not be assessed in any case

Section –A Applied Biochemistry (25 Marks)

- Que. 1 Multiple Choice Question. 4x1 = 4
1. Head Polysaccharides are
(A) Polymers (B) Acids (C) Proteins (D) Oils
 2. The Number of isomers of glucose is
(A) 2 (B) 4 (C) 8 (D) 16
 3. Specific gravity of urine increases in
(A) Diabetes mellitus (B) Chronic glomerulonephritis
(C) Compulsive Polydypsia (D) Hypercalcemia
 4. The Specific gravity of urine normally ranges from
(A) 0.900 – 0.999 (B) 1.003 – 1.030
(C) 1.000 – 1.001 (D) 1.101 – 1.120
- Que. 2 Write short note on (Any Three) 3 x 5 = 15
- a. Glucose Tolerance Test
 - b. Ketone bodies
 - c. Vitamin C
- Que. 3 Very Short Answer Question 3 x 2 = 6
- a. What is enzyme inhibition ? Classify
 - b. What are Homopolysaccharides ? Give Example
 - c. Name the primary and secondary bile acids.

Section –B Applied Nutrition and Dietetics (50 Marks)

- Que. 4 Multiple Choice Questions. 8 x 1 = 8
- a. Effect of dry heat on starch is called
 - b. 1 gram of carbohydrate iskcal.
 - c. 1 gram of Fat is kcal.
 - d. The measure of acidity and alkalinity of the substance is known as level.
 - e. Deficiency of Vitamine D leads to
 - f. The nutrient required in trace amounts to accomplish various body function is
 - g. Food and Adulteration Act was enforced by Government of India in the year.....
 - h. Deficiency diseases can be prevented by taking diet.
- Que. 5 Define nutrition and write details of Importance of nutrition in nursing. 10
- Que. 6 Write short note 4 x 5 = 20
- a. Dietary fibre
 - b. Scurvy
 - c. Bomb calorie meter
 - d. Role of fiber
- Que. 7 Very short Answer Question. 6 x 2 = 12
- a. Two Sources of Vitamin C
 - b. What is balanced diet ?
 - c. Write any two functions of fat
 - d. Write two properties of lipids.
 - e. Define nitrogen Equilibrium.
 - f. List two deficiency diseases of Vitamin A.
-