

**BACHELOR OF SCIENCE (NURSING) (CBCS-2022)**  
**B.SC. (NURSING) SEM-II : SUMMER : 2023**  
**SUBJECT : APPLIED BIOCHEMISTRY & APPLIED NUTRITION & DIETETICS**

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 24-07-2023

**S-25867-2023**

Max. Marks : 75

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Each **MCQ's** carries **ONE** marks.

**SECTION-A**  
**(APPLIED BIOCHEMISTRY)**

**Q.1 Multiple Choice Questions: (04)**

- i) Sucrose has glucose and -----
  - a) Maltose
  - b) Fructose
  - c) Glycogen
  - d) Galactose
- ii) Rothera's test commonly used to detect of ----- in urine.
  - a) Ketone bodies
  - b) Pyruvic acid
  - c) Cholesterol
  - d) None of these
- iii) Pepsin is secreted in -----
  - a) Intestine
  - b) Stomach
  - c) Liver
  - d) Pancreas
- iv) The lipophilic bilirubin is transported in plasma bound to -----
  - a) Globulin
  - b) Albumin
  - c) Both a & b
  - d) Fibrinogen

**Q.2 Write Very Short Answers: (ANY THREE) (3x2=06)**

- a) Sandwich ELISA
- b) Tests of lipid profile
- c) Obstructive Jaundice
- d) Isoenzymes of LDH
- e) Respiratory acidosis

**Q.3 Write Short Notes: (ANY THREE) (3x5=15)**

- a) Outline the reactions of Glycolysis and give energetics of the cycle
- b) Describe types and functions of lipoproteins
- c) Describe Urea Cycle
- d) Blood buffers
- e) Explain renal function tests

**SECTION - B**  
**(APPLIED NUTRITION & DIETETICS)**

**Q.4 Multiple Choice Questions: (08)**

- i) Balance diet means -----
  - a) Getting right types of food to supply nutrients and energy for growth and development
  - b) Maintaining the food chain required for growth and development.
  - c) Diet which fulfills the caloric requirement.
  - d) Diet for all age groups

**P. T. O.**

- Q.5** Write Very Short Answer Questions: (Any SIX) (6x2=12)

- Q.6** Write Short Notes on: (**ANY FOUR**) **(4x5=20)**

- Q.7** Long Answers Questions: (**ANY ONE**) **(10x1=10)**

- a) Define Protein-Energy-Malnutrition. (02)
- b) Discuss the classification of Protein-Energy –Malnutrition. (04)
- c) Describe in detail regarding Severe Acute Malnutrition (SAM) (04)