KALYAN COLLEGE OF NURSING, RAJURA

II SEMESTER BASIC B.Sc NURSING 2022-23   **Maximum Marks:50**

SUBJECT: BIOCHEMISTY & NUTRITION   **Time:-2hour**

MID TERM EXAMINATION

Q.1] MULTIPLE CHOICE QUESTION.   **1x6=06 marks**

1) Which of the following is a non-reducing sugar?

   a)Sucrose   b) Maltose

   c) Glucose   d) Lactose

2) Richest source of triglyceride in blood is

   a) HDL   b) LDL

   c) VLDL   d) Chylomicrons

3) Enzyme that hydrolyse sucrose

   a) Invertase   b) Amylase

   c) Lactase   d) Maltase

4) Dietary fibres prevent

   a) Anaemia   b) Goiter

   c) Constipation   d) diarrhea

5) The waste product of CHO

   a) Carbonic acid

   b) Carbon dioxide and water

   c) Carbon dioxide

   d) Water and glucose

6) Scurvy is caused due to deficiency of

   a) Vitamin A   b) Vitamin B

   c) Vitamin C   d) Vitamin D

SECTION (A) [BIOCHEMISTY]

Q.2] BRIEF ANSWER QUESTION. (any one)   2x1=02 marks

A) Serum protein electrophoresis.

B) PUFA

Q.3] SHORT ANSWER QUESTION (any two)   2x5=10 marks

A) Plasma proteins

B) Diabetic ketoacidosis

C) Oral Glucose Tolerance Test

Q.4] LONG ANSWER QUESTION.   1x10=10 marks

A) What are amino acids? Classify them based on nutrition.

B) Give outline of glycolysis. What are its regulatory steps?

What is the energy yield of their pathway?

SECTION (B) [NUTRITION]

Q.1] BRIEF ANSWER QUESTION. (any one)   1x2=02 marks

A) Classification of vitamins?

B) What is malnutrition?

Q.2] SHORT ANSWER QUESTION. (any two)   2x5=10 marks

A) Factors affecting food and nutrition.

B) Explain BMR and its factors affecting BMR.

C) Classification of lipids.

Q.3] LONG ANSWER QUESTION. (any one)   1x10=10 marks

A) What is a nutrient? Described various types of dietary nutrients in details.

B) Define carbohydrates? Described the classification of carbohydrates and its functions.