



DMLT/DMRT EXAMINATION BOARD, ODISHA

SECOND D.M.L.T. Annual Exam Of 2021

QUESTIONS (BIOCHEMISTRY, PAPER-III)

TIME: 3 Hours

FULL MARKS: 60

Answer all questions

1. Write Short Notes: (Any TEN)

(4 x 10 = 40 marks)

- a. Biological significance of Carbohydrates
- b. Denaturation of Proteins ✓
- c. Diagnostic use of Enzyme ✓
- d. Therapeutic use of Radio Isotopes ✓
- e. Factors affecting Serum Calcium
- f. Types of RNA
- g. Functions of Phospholipids ✗
- h. Scurvy ✓
- i. Acute Phase Reactants
- j. Functions of Vitamin B6 ✓
- k. Biochemical tests to detect Goitre.

2. FILL IN THE BLANKS

(1 X 10 = 10 marks)

- a. The end product of protein metabolism is ----- .
- b. The compound lipid which acts as a surfactant is known as -----.
- c. An example of a nonreducing sugar is -----.
- d. The potassium concentration in the extracellular fluid is -----.
- e. The enzyme raised in obstructive jaundice is -----.
- f. The water soluble form of vitamin K is known as-----.
- g. The drug used in the treatment of Gout is -----.
- h. The RNA which has a clover leaf shaped structure is-----.
- i. AST and ALT belong to -----group of enzymes.
- j. The arterial blood Ph is -----.

3. Write True (T) or False (F)

(1 x 5 = 5 marks)

- a. The net charge of Proteins at Isoelectric Ph is 1.
- b. Biotin acts as coenzyme for decarboxylation reactions.
- c. Thymine is present in RNA and Uracil is present in DNA.
- d. Hyaluronic acid is a mucopolysachharide.
- e. Amylase and Lipase levels are raised in Acute Pancreatitis.

4. Answer the following-

(1 x 5 = 5 marks)

- a. what is the normal value of serum cholesterol
- b. which carbohydrate is used to measure the GFR?
- c. Name the protein which is defective in scurvy?
- d. Name two secondary protein structures.
- e. What is the function of mRNA?

glomerula filtration rate.