

BIOCHEMISTRY

Paper - 2

JULY/AUGUST 2005

(2 ½ hours)

Total marks : 35

SECTION – B

2. Write answers to (any 5 of 6):

10

- a) Define Rancidity. Write 2 causes.
- b) Diagrammatic representation of outline of Cholesterol biosynthesis.
- c) Write four factors affecting iron absorption.
- d) Write four characteristics of growing tumor cells.
- e) Role of TPP in carbohydrate metabolism.
- f) Regulation of Electrolyte Balance and role of Aldosterone and ADH

3. Solve (any 2 of 3):

(2x4=8)

- a) Metabolic Acidosis.
- b) Fatty liver.
- c) Discuss the biochemical parameters for the differential diagnosis of jaundice.

SECTION – C

4. Define polysaccharides and describe the Glycogen metabolism with its regulation.

OR

Define balanced diet. Discuss the protein energy and malnutrition with nutritional importance of proteins.

5. Answer (any 2 of 3) :

(2x4=8)

- a) Insulin.
- b) Write about detoxification by phase I.
- c) State the principle of electrophoresis and Flame photometer with their uses.