

BIOCHEMISTRY

Paper - 2

MAY/JUNE 2011

(2 ½ hours)

Total marks : 40

SECTION – B

2. Brief answer questions : (any 6 of 7) :

- a) Explain the mechanism of action of steroid hormones.
- b) What are tumour markers? Give four examples.
- c) Explain the Rapoport Luebering cycle. State its significance.
- d) State the principles of chromatography. Mention the types and applications.
- e) Metabolic acidosis and its compensation.
- f) Enumerate the enzyme defects and clinical manifestations in any four of the glycogen storage diseases.
- g) Fatty liver and lipotropic factors.

SECTION – C

3. Attempt .(any 2 of 3) :

(2x8=16)

- a) Describe the hexose monophosphate shunt, why is it called “multifunctional”?
- b) Explain the synthesis of cholesterol How is it regulated?
- c) Describe sources, biochemical functions, daily requirements and deficiency manifestations of calcium and phosphorous.