

BIOCHEMISTRY

Paper - 2

JUNE/JULY 2004

(2 ½ hours)

Total marks : 35

SECTION – B

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

10

- Diagram showing role of carnitine.
- List four radioisotopes and give their significance.
- Name the lipoprotein and give one function each.
- Differentiate between primary and secondary dehydration.
- What is normal blood glucose level? Enlist the hormone that regulate blood sugar.
- Explain anomers.

3. Solve (any 2 of 3) :

08

- Explain any four types of detoxification by conjugation.
- Tests based on excretory functions of liver-principle and importance.
- 25 year old man on treatment with anti-malarial crisis indicated by decreased Hb% increased serum bilirubin and no bile pigment in urine.
 - Name the defect & enzyme.
 - Explain the biochemical basis of development of hemolytic disease.

SECTION – C

4. Describe the glycolytic pathway in erythrocytes. What is its significance and how does it differ from glycolysis in other cells?

09

OR

Explain the synthesis of cholesterol and its control.

5. Answer (any 2 of 3) :

08

- Regulation of serum calcium.

b) What is fatty liver ? Explain the role of lipotropic factors.

c) Mechanism of action of Lipophobic hormones.

