

[KN 505]

Sub. Code : 4056

II. Short notes on :

(10 × 5 = 50)

FIRST M.B.B.S. DEGREE EXAMINATION.

(Non-Semester)

(Revised Regulations)

Paper VI — BIOCHEMISTRY — II

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw labelled diagrams wherever necessary.

I. Essay :

(2 × 15 = 30)

(1) Why Ammonia is toxic to the body? What are the ways by which Ammonia is disposed in the body. Add a note on Hyperammonemia conditions.

(2) What is the normal serum calcium level? Explain how serum calcium level is maintained. Name the hypocalcemia conditions.

- (a) Synthetic nucleotides and their importance.
- (b) Liver function tests.
- (c) Anion gap and its diagnostic importance.
- (d) Tumour Markers.
- (e) Salvage Pathways
- (f) Mechanism of action of Thyroid hormones.
- (g) Detoxification by Hydroxylation.
- (h) Blotting techniques.
- (i) Glutathione role in Amino acid transport
- (j) Essential Amino acids.