

[KL 504]

Sub. Code : 4055

II. Write short notes on :

(10 × 5 = 50)

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

(Non-Semester)

(Revised Regulations)

Paper V — BIOCHEMISTRY — I

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

Draw labelled diagrams wherever necessary.

Answer ALL questions.

I. Essay :

(2 × 15 = 30)

(1) Describe TCA (Citric Acid Cycle) cycle and its inhibitors and energetics. Add a note on the Amphibolic role of TCA cycle. How is TCA cycle regulated?

(2) Discuss cholesterol synthesis and its regulation. Mention the various substances obtained from cholesterol.

1. Phospholipids.

2. Biotin.

3. Isoenzymes.

4. Protein energy Malnutrition.

5. Obstructive Jaundice.

6. Uncouplers of oxidative phosphorylation.

7. Absorption of carbohydrates from the intestines.

8. Structure of Hemoglobin.

9. Bile salts.

10. Vitamin E.