

[KR 504]

Sub. Code : 4055

3. Short answers : (10 × 5 = 50)

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

Revised (Non-Semester), Regulations

Paper V — BIOCHEMISTRY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Essay Questions.

1. Define biological oxidation. Mention the components and organisation of electron transport chain. Describe in detail the mechanism of ATP synthesis. Add a note on uncouplers. (1 + 2 + 8 + 4 = 15)

2. Describe the chemistry, sources, RDA and biochemical functions of thiamine. Add a note on beri beri. (15)

- (a) Poly unsaturated fatty acids
- (b) Balanced diet
- (c) Glycosylated hemoglobin
- (d) Chondroitin sulphate
- (e) Synthesis and utilisation of ketone bodies
- (f) Rapoport - Leubering cycle
- (g) Folate trap
- (h) Glycosides
- (i) Apolipoproteins and their significance
- (j) Renal glycosuria.