

[KR 505]

Sub. Code : 4056

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

Revised (Non-Semester) 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.

Essay questions.

1. Describe the mechanism of DNA Replication. Add a note on DNA Repair mechanism. (10 + 5 = 15)

2. Name the branched chain Aminoacids. Describe the pathway for the metabolism of branched chain aminoacids. Add a note on maple syrup urine disease. (2 + 8 + 5 = 15)

3. Short answers : (10 × 5 = 50)

(a) Recombinant DNA Technology

(b) Wilson's Disease.

(c) Secondary Structure of proteins.

(d) Polyamines.

(e) Metabolic Acidosis.

(f) Restriction Endonucleases.

(g) Functions of Phosphorus.

(h) Purine salvage pathway.

(i) Post - Translational modification.

(j) Role of lungs in Acid-Base balance