

[KD 505 A]

Sub. Code : 4056

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

(Non-Semester)

(Revised Regulations)

Paper VI — BIOCHEMISTRY — II

Time : Three hours Maximum : 100 marks
Two and a half hours Theory : 70 marks
for Theory and 30 minutes MCQ : 30 marks
for MCQ.

MCQ must be answered separately on the answer sheet
provided as per the instructions on the first page.

Draw diagrams wherever necessary.

Answer ALL questions.

1. Discuss the metabolism of tyrosine. Name the
biologically important compounds derived from
tyrosine. What are the inborn errors of metabolism of
this aminoacid? (15)

2. Write short notes on : (4 × 5 = 20)

- (a) Metabolic role of methionine.
- (b) Polymerase chain reaction.
- (c) Metabolic acidosis.
- (d) Tests for glomerular function.

3. Write an account of DNA replication. (15)

4. Write short notes on : (4 × 5 = 20)

- (a) Detoxication by conjugation.
- (b) Oncogenes.
- (c) Role of kidneys in acid-base balance.
- (d) Gout.