

SG 504]

Sub. Code : 4004

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

(Non-Semester)

(Revised Regulations)

Paper V — BIOCHEMISTRY — I

Time : Three hours

Maximum : 50 marks

Two and a half hours

Section A : 35 marks

for Section A

Section C : 15 marks

Section C must be answered separately on the answer sheet provided.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

SECTION A

1. Classify Enzymes. Describe the different types of enzyme inhibition. Add a note on clinical significance of enzymes. (10)

2. Write briefly on : (5 × 5 = 25)

(a) Outline the pathway and significance of gluconeogenesis.

(b) What are Eicosanoids? Discuss the biomedical importance of Arachidonic acid and its derivatives.

(c) Metabolic functions of cyanocobalamin with examples.

(d) Structure of collagen.

(e) Biochemical defect causing acute intermittent porphyria.