

[VM 208]

FIRST M.B.B.S. DEGREE EXAMINATION

New Regulation

Paper III BIOCHEMISTRY

Time : Three hours Maximum : 100 Marks

- (1) Answer All the questions
- (2) Sections A and B should be answered in separate answer papers.
- (3) Section C must be answered separately on the answer sheet placed inside the question paper booklet as per the instructions given on the first page.

SECTION A (2 × 15 = 30 Marks)

1. Describe the pentose phosphate pathway of glucose metabolism. What is its significance in
 - a). Liver
 - b). Erythrocyte

(15)

3. Write briefly on :

1. Neurotransmitters
2. Folate trap
3. Rhodopsin cycle
4. Source and functions of PUFA
5. Functions of calcium
6. Endemic goitre
7. Electrophoresis of serum proteins
8. Albinism

(8 × 5 = 40)

2. Discuss the regulation of blood pH.

(15)