

APRIL - 1998

SV 515]

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Sub. Code: 4015

FIRST M.B.B.S. DEGREE EXAMINATION

(Common to New/Revised Regulations)

Paper III -BIOCHEMISTRY

Time : Three hours

Maximum : 90 marks

Two and a half hours

Section A and B : 70 marks

for section A and B

Section C : 30 marks

Sections A and B should be answered in separate answer papers

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

Answer ALL the questions.

SECTION A

1. Describe how calcium is maintained within a narrow in plasma. What are the functions of intracellular and extracellular calcium? (20)

2. Write briefly on: (3X5=15)

- (a) Ketosis
- (b) Active methionine
- (c) Genetic code

SECTION B

3. Write in detail the sources, daily requirement, benzene formation and functions and deficiency manifestations of Vitamin Niacin. (20)

4. Write briefly on: (3X5=15)

- (a) Glucose Tolerance Test
- (b) Electron Transport Chain
- (c) Plasma enzymes in Myocardial infarction