

Semester I
BIOCHEMISTRY

Three hours

Maximum : 90 marks

- (i) Answer ALL the questions.
- (ii) Section A and Section B should be answered in separate answer books.
- (iii) Section C must be answered separately on the answer sheet placed inside the question booklet as per the instructions given on the first page.

SECTION A

Outline the steps involved in the β -oxidation of fatty acids. (15 marks)

Describe the sources, requirement, physiological actions and metabolism of calcium. (15 marks)

SECTION B

Write short notes :

- (a) Sources and daily requirement of Vitamin A with special reference to Rhodopsin Synthesis.
- (b) Isoenzymes.
- (c) G.T.T. (Glucose Tolerance Test).
- (d) Genetic code
- (e) Urea cycle.
- (f) Uric acid. (6 \times 5 = 30 marks)