

FIRST M.B.B.S. DEGREE EXAMINATION

First Semester

Part I

BIOCHEMISTRY

Time : Two and a half hours

Maximum : 90 marks

Answer ALL the questions

Sections A and B should be answered in separate answer papers

Draw diagrams wherever necessary

SECTION A - (2X15=30 marks)

1. Describe the metabolism of phenylalanine and tyrosine in the body. Add a note on the in born errors of metabolism associated with them.
2. Describe sources, requirement, chemistry, biochemical functions and deficiency manifestations of Vitamin A. Add a note on its hyper vitaminosis.

SECTION B - (6X5=30)

3. Write short note on:

- (a) Structure of proteins
- (b) Abnormal hemoglobins
- (c) Radio active isotopes
- (d) Absorption of Iron
- (e) Gluconeogenesis
- (f) Beta oxidation of fatty acids