



SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, MAY 2006

PHARMACOLOGY—Paper I

(New Scheme)

Time : One Hour and a Half

Maximum : 32 Marks

Answer Sections A-II and B in separate answer-books.

Draw diagrams wherever necessary.

Section A-II

III. Draw a Schematic diagram of Cholinergic Neuro transmission and mark the site of action of :

- 1 Botulinus Toxin.
- 2 Tubocurarine.

($\frac{1}{2} + \frac{3}{4} + \frac{3}{4} = 2$ marks)

IV. Define the following terms with *one* example :

- 1 Competitive Antagonism.
- 2 Therapeutic Index.
- 3 Pro Drug.
- 4 Bioassay.

($4 \times 1 = 4$ marks)

V. Write short notes on :

- 1 Phase Two Reactions.
- 2 Sodium Valproate.
- 3 Halothane.

($3 \times 2 = 6$ marks)

Section B

VI. A 55-year old male patient was admitted to the hospital with the following symptoms and signs—Tremor, Rigidity and Salivation. The Diagnosis was Parkinsonism.

- 1 Enumerate three groups of Drugs used in this condition.
- 2 Mention their Mechanism of Action.
- 3 Mention *two* drugs used in drug induced Parkinsonism.
- 4 Mention *two* drugs causing Parkinsonism.
- 5 Mention *two* Advantages of using Decarboxylase Inhibitors.

($3 + 3 + 1 + 1 + 2 = 10$ marks)

Turn over

VII. Explain the Pharmacological basis of the following :—

- 1 Ethyl Alcohol in Methyl Alcohol Poisoning.
- 2 Lignocaine in Ventricular Tachycardia.
- 3 Hydrocortisone in status Asthmaticus.
- 4 Adrenaline in Anaphylaxis.

(4 × 1 = 4 marks)

VIII. Write short notes on :

- 1 Lisinopril.
- 2 Pralidoxime.
- 3 Warjarin.

(3 × 2 = 6 marks)