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Reg.

Name.



**SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION
APRIL 2007**

Faculty of Medicine

PHARMACOLOGY—Paper I

(General Pharmacology, ANS, CNS, Acilocids Respiratory System etc)

Time : One Hour and a Half

Maximum : 32 Marks

Section A-II

IV. Draw a schematic diagram of Aqueous humor dynamics and mark the site of action of :

- 1 Pilocarpine.
- 2 Timolol.

(1/2 + 3/4 + 3/4 = 2 marks)

IV. Define the following with *one* example :

- 1 Prodrug.
- 2 Therapeutic Index.
- 3 First pass Metabolism.
- 4 Chemical Antagonism.

(4 × 1 = 4 marks)

V. Write short notes on :

- 1 Lamotrigine.
- Pharmacogenetics.
- 3 Salmeterol.

(3 × 2 = 6 marks)

Section B

VI. A 40 year old Male Patient was admitted to the hospital with signs and symptoms of palpitation, Tachycardia and chest pain. The diagnosis was P.S.V.T.

- 1 Mention the Drug used with Dosage Regime.
- 2 Mention the Mechanism of Action.
- 3 Name *two* drugs used in ventricular tachy cardia.
- 4 Mention the mechanism of action.
- 5 Name *two* drugs used in Heart Block.

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

Turn over

VII. Explain the pharmacological basis of the following :—

- 1 Oximes in organophosphorous poisoning.
- 2 Frusemide in pulmonary Edema.
- 3 Diazepam in Anxiety.
- 4 Levo Dopa in parkinsonism.

(4 × 1 = 4 marks)

VIII. Write short notes on :

- 1 Fluoxetine.
- 2 Abciximab.
- 3 Succinyl choline.

(3 × 2 = 6)