



C 14871

(Pages : 2 + 1 = 3)

Name.....

Reg. No.....

SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, MARCH 2011

PHARMACOLOGY—Paper I

(2007 admissions)

Time : Two Hours

Maximum : 40 Marks

*Answer Sections A and B in separate answer-books.**Draw diagrams wherever necessary.**MCQs should be answered first in the response sheet provided.*

Section A

- I. Multiple Choice Questions. Single response type 6. (6 × ½ = 3 marks)
- II. Write the mechanisms of action of the following drugs with one use :
- Lithium carbonate.
 - Sumatriptan.
 - α methyl Dopa.
 - Flumazenil.
 - Digoxin.
- (5 × 1 = 5 marks)
- III. (a) Classify the Beta Adrenergic Receptor blockers.
 (b) Describe the effects of Beta blockade.
 (c) Write four important uses and two adverse effects of any one.
- (2 + 2 + 2 = 6 marks)
- IV. Write short notes on :
- Beta histine.
 - Uses of prostaglandins.
 - Bromhexine.

(3 × 1 = 3 marks)

Section B

- V. A 54 year old hypertensive developed severe retrosternal chest pain with radiation to neck. ECG shows changes of myocardial infarction :
- Write three different groups of drugs for managing this patient. Give the dosage schedule also.
 - What is the rationale of using the above drugs
 - This patient develops Ventricular Arrhythmia. Prescribe one drug to control the arrhythmia with its dosage schedule

(1½ + 3 + 1½ = 6 marks)



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VI. Write the preferred drug and justify your choice :

- (a) Insomnia in a 65 year old man.
- (b) Acute Belladonna poisoning.
- (c) Status epilepticus.
- (d) a/c congestive glaucoma.

(4 × 1½ = 6 marks)

VII. Write briefly on :

- (a) Drugs used in treatment of Neutropenia.
- (b) Enoxaparin.
- (c) Bosentan.
- (d) Omalizumab.



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PHARMACOLOGY—Paper I

I. MULTIPLE CHOICE QUESTIONS

Note.—(1) *Do not write anything on the question paper.*

(2) *Write your register number in the answer-sheet provided.*

(3) *Select one most appropriate response and encircle the corresponding alphabet against each question number in the answer-sheet provided.*

1. The most sensitive index of alcoholic liver disease is the elevated serum level of :

- (A) Gamma glutamyl transpeptidase (GGTP).
- (B) SGOT.
- (C) SGPT.
- (D) VLDL.

2. The general anaesthetic suitable for both outpatient and inpatient surgery :

- (A) Isoflurane.
- (B) Sevoflurane.
- (C) Halothane.
- (D) Nitrous oxide.

3. The benzodiazepine without an active metabolite is :

- (A) Diazepam.
- (B) Prazepam.
- (C) Lorazepam.
- (D) Medazepam.

4. The antiepileptic which inhibit GABA transaminase is :

- (A) Vigabatrin.
- (B) Ethosuximide.
- (C) Diazepam.
- (D) Lamotrigine.

5. Tachyphylaxis shown by all the following except :

- (A) Isoprenaline.
- (B) Ephedrine.
- (C) Amphetamine.
- (D) Noradrenaline.

6. Drug causing only psychicdependence :

- (A) Cocaine.
- (B) Pethidine.
- (C) Ethyl alcohol.
- (D) Phenazocine.

(6 × 50 = 300 marks)