

SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, MARCH 2012**PHARMACOLOGY—Paper I**

(2007 Admissions)

Time : Two Hours

Maximum : 40 Marks

*Answer all questions.**Answer Section A and B in separate answer books.***Section A**

I. Name the following :

- (a) Prostaglandin analogue used in glaucoma.
- (b) General anaesthetic (inhalational) which is preferred in paediatrics.
- (c) Catecholamine depletor which produces depression.
- (d) Opioid analgesic given as transdermal patch.
- (e) Monoclonal antibody used in asthma.
- (f) Skeletal muscle relaxant preferred in cardiovascular instability.

(6 × ½ = 3 marks)

II. Write the pharmacological basis for the use of following :

- (a) Enalapril in cardiac failure.
- (b) Allopurinol in gout.
- (c) Frusemide in acute pulmonary oedema.
- (d) Dicyclomine in abdominal colic.
- (e) Levodopa and Benserazide in Parkinsonism.

(5 × 1 = 5 marks)

III. Classify drugs used in the treatment of epilepsy based on their clinical use. Write the mechanism of action and adverse effects of Phenytoin.

(3 + 1 + 2 = 6 marks)

IV. Write briefly on :

- (a) Alcohol withdrawal syndrome.
- (b) First pass metabolism.
- (c) Ionodilators.

(3 × 2 = 6 marks)

Turn over

Section B

V. Read the case history and answer the questions :

A 65 years old male was brought to the casualty with complaints of severe chest pain and sweating. ECG revealed ST segment elevation and was diagnosed as myocardial infarction.

- (a) Which drug will you administer immediately in the casualty to relieve his pain ? Give one important adverse effect on long term use.
- (b) Mention the drug used to achieve reper fusion. Give *two* contraindications.
- (c) Mention *two* advantages of using beta blockers.
- (d) Which drug will you prescribe to prevent reinfarction ? Why ?

(1½ + 1½ + 1 + 2 = 6 marks)

VI. Mention the preferred drug with dose for the following :

- (a) Insomnia.
- (b) Ureteric colic.
- (c) Iron deficiency anaemia in a pregnant lady.
- (d) Dry cough in an adult.

(4 × 1½ = 6 marks)

VII. Write short notes on :

- (a) Non cardiovascular uses of beta blockers.
- (b) Antianxiety drugs.
- (c) Drugs for hypertensive emergencies.
- (d) Therapeutic index.

(4 × 2 = 8 marks)