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Reg. No.

Name.



SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, JUNE 2009

PHARMACOLOGY Paper I

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 Adrenergic Neurotransmission and mark the site of action of :

- (a) Clonidine.
- (b) Carbidopa.

(1 + ½ + ½ = 2 marks)

IV. Write the pharmacological basis of using :

- (a) Protamine Sulphate in Heparin overdose.
- (b) Streptokinase in coronary thrombosis.
- (c) Rivastigmine in Alzheimer's Disease.
- (d) Glycopyrrolate in pre anaesthetic medication.

(4 × 1 = 4 marks)

V. Write short notes on :

- (a) Pentazocine.
- (b) Enalapril.
- (c) Bioavailability.

(3 × 2 = 6 marks)

Section B

VI. Rema 28 years was seen on the roadside with fits and froth in the mouth. She was brought to the Casualty unconscious where she had three more attacks of fits.

- 1 What is your diagnosis ?
- 2 Write the drug schedule to manage this.
- 3 Name two other drugs useful in the above case.
- 4 Write the mechanism of action and adverse effects of any one drug.
- 5 If the patient conceives while on antiepileptic therapy, what is the line of treatment ?

(1 + 2 + 1 + 3 + 1 = 8 marks)

Turn over

VII. Mention the preferred drug and its mechanism of action in the following :

- (a) Chronic gout.
- (b) Cisplatin induced vomiting.
- (c) Postpartum haemorrhage.
- (d) Arsenic poisoning.

(4 × 1 = 4 marks)

VIII. Write short notes on :

- 1 Drug dependence.
- 2 Diclofenac Sodium.
- 3 Antihistaminics.
- 4 Lignocaine.

(4 × 2 = 8 marks)