

G 9594



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Reg. No.....

Name.....

**SECOND PROFESSIONAL M.B.B.S. DEGREE (SUPPLEMENTARY)
EXAMINATION, JULY 2013**

PHARMACOLOGY—Paper I

Time : One Hour and Fifty Minutes

Maximum : 34 Marks

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

Draw diagrams wherever necessary.

Section A-II

III. Classify Anticoagulants. Write the Mechanism of action, two uses and two adverse effects of Heparin.

(2 + 1 + ½ + ½ = 4 marks)

IV. Write the Pharmacological basis for the use of following :—

- 1 Beclomethasone in Bronchial Asthma.
- 2 Mannitol in Acute Glaucoma.
- 3 Naloxone in Morphine overdose.
- 4 Spironolactone in refractory edema.

(4 × 1 = 4 marks)

V. Write short notes on :

- 1 Local Anaesthetics.
- 2 Nifedipine.
- 3 G protein coupled receptors.

(3 × 2 = 6 marks)

Section B

VI. Sweta, 22 years, was admitted to the hospital with Signs and Symptoms of abnormal movements, altered consciousness, muscle spasm and Convulsions. The diagnosis was Grand mal Epilepsy.

- 1 Name two drugs used for this patient.
- 2 Mention their Mechanism of action with one adverse effect.
- 3 Name two drugs used in Petit mal Epilepsy.
- 4 Mention their Mechanism of Action.
- 5 Name the drug used with route of administration in status epilepticus.
- 6 Name two Drugs which induce Seizures.

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

Turn over

VII. Explain the Pharmacological basis of using :

- 1 Dopamine in Cardiogenic shock.
- 2 Glycopyrrolate in Anesthesia.
- 3 Amitriptyline in depression.
- 4 Propranolol in Angina.

(4 × 1 = 4 marks)

VIII. Write briefly on :

- | | |
|---------------|--------------|
| 1 Ketorolac. | 2 Levodopa. |
| 3 Alprazolam. | 4 Synergism. |

(4 × 2 = 8 marks)