

[KW 544]

FEBRUARY 2010

Sub. Code : 4065

**SECOND M.B.B.S. DEGREE EXAMINATION****Revised (Non-Semester) Regulations****Paper V – PHARMACOLOGY – I*****Q. P. Code : 524065*****Time : Three hours****Maximum: 100 Marks**Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :****(2 x 15 = 30)**

1. a) Classify Anticonvulsant drugs.  
b) Mechanism of action and pharmacological action of Benzodiazepines.  
c) Therapeutic uses and adverse effects of Benzodiazepines.
2. a) Define Biotransformation reaction.  
b) Explain phase I and phase II reaction with suitable examples.  
c) Importance of Enzyme induction and enzyme inhibition.

**II. Write Short notes on :****(10 x 5 = 50)**

1. Local routes.
2. Treatment of Glaucoma.
3. Balance anaesthesia.
4. Selective serotonin re-uptake inhibitors.
5. Osmotic diuretics.
6. Caverdilol.
7. Mechanism of action and uses of antiplatelet drugs.
8. Atorvastatin.
9. Iron preparations and uses.
10. Pre-anesthetic medication.

**III. Short Answer Questions :****(10 x 2 = 20)**

1. Pro drug.
2. Rationale for use of dopamine in cardiogenic shock.
3. Therapeutic range.
4. Controlled release drugs.
5. Postural hypotension.
6. Zero order kinetics.
7. Mast cells modulators.
8. Mucolytic drugs.
9. Dissociative anesthesia.
10. COX – 2 Inhibitors.

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