

[LI 810]

APRIL 2016

Sub. Code: 3810

**PHARM. D DEGREE EXAMINATION**  
**(2009-2010 Regulation)**  
**SECOND YEAR**  
**PAPER IV - PHARMACOLOGY – I**

*Q.P. Code : 383810*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on :**

**(4 x 10 = 40)**

1. a) Classify Anti-anginal drugs.  
b) Write the Mechanism of action, Pharmacological actions and Therapeutic uses of Nitrates.
2. a) Classify Anti-depressants.  
b) Write the Mechanism of action, Pharmacological actions and therapeutic uses of Tricyclic Anti-depressants.
3. Write the Biosynthesis, actions and Pathophysiological roles of Prostaglandins, Thromboxanes and Prostacyclin.
4. Classify Anticholinesterases, describe their mechanism of action and therapeutic uses.

**II. Write notes on :**

**(6 x 5 = 30)**

1. Write a note on Bronchodilators.
2. What are the factors influencing Drug Absorption.
3. Describe the manifestations and treatment of Atropine poisoning.
4. Classify and write the therapeutic uses of Antihistamines.
5. Explain the mechanism of action and therapeutic uses of Non-steroidal Anti-inflammatory agents.
6. Write on CNS stimulants and cognition enhancers.

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