

[LK 810]

MAY 2017

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) Define and classify local Anaesthetics.  
b) Describe the mechanism of action and uses of Lignocaine.
2. a) Define and classify two major types of Diabetes Mellitus.  
b) Write on the conventional preparations of Insulin.
3. a) Define and classify Anti Adrenergic agents.  
b) Explain the pharmacological actions, side effects and Therapeutic uses of Propranolol.
4. Write the mechanism of action, adverse effects and uses of Lithium Carbonate.

**II. Write notes on:****(6 x 5 = 30)**

1. Write on Kinetics of elimination.
2. Describe G-protein coupled receptors.
3. Describe the manifestations and treatment of Barbiturate poisoning.
4. Compare and contrast the mechanism of actions of Barbiturates and Benzodiazepines.
5. Write a note on Anti-arrhythmic agents.
6. Write a note on Thyroid Inhibitors.

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