



(LL 4264)

**AUGUST 2017**

Sub. Code: 4264

**B.PHARM. DEGREE EXAMINATION  
THIRD YEAR  
PAPER IV – PHARMACOLOGY – I**

*Q.P. Code: 564264*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. a) Explain different types of Epilepsy and write the classification of antiepileptic drugs.  
b) Explain the mechanism of action, pharmacological actions, therapeutic uses and adverse effects of Phenytoin.
2. Define the term Diuretics. Classify them with example. Enumerate any one class with their pharmacological action uses and adverse effects.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Define bioassay. Write note on different types of bioassay.
2. Preanaesthetic medication.
3. What are the symptoms and treatment for acute organophosphorus poisoning?
4. Mast cell stabilizers.
5. Classify anti hyperlipidemic drugs. Write the mechanism of HMG – CoA reductase inhibitors.
6. Mood stabilizers.
7. Write the mechanism of action of loop diuretics add a note on their adverse effects and uses.
8. Write a note on treatment of shock.

**III. Short answers on :**

**(10 x 2 = 20)**

1. What is prodrug? Give two examples.
2. Advantage for combining adrenaline along with local anaesthetic.
3. Name any two COX-II inhibitors.
4. Give two examples of atypical antidepressants.
5. Name two mucolytic.
6. Name two ganglion blockers with their therapeutic uses.
7. Name any two dopaminergic agonist.
8. What are the side effects of thiazide?
9. Brief the therapeutic uses of nitrates.
10. Define gout and give two examples.

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