

**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) Classify Anti-depressant drugs with examples for each group.  
b) Explain the mechanism of action, pharmacological action, therapeutic uses and adverse reaction of Imipramine.
2. a) Classify Anti arrhythmic drugs with examples.  
b) Explain the mechanism of action, pharmacological action, therapeutic uses and adverse reaction of Quinidine.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Source of drugs.
2. Bioassay of d-tubocurarine.
3. Classify Local anaesthetic agents with examples.
4. Neurohumoral transmission of ANS.
5. Write the treatment of Barbiturate poisoning.
6. Angiotensin receptor blockers.
7. Selective  $\beta$ -2 adrenergic receptor agonists.
8. Define Diuretics. Explain the osmotic diuretics.

**III. Short answers on :**

**(10 x 2 = 20)**

1. Define chemotherapy.
2. Drug Tolerance.
3. Define Receptor and write the types of receptor.
4. Define general anaesthetics, give eg.
5. Write the drugs used in the treatment of gout.
6. Name two drugs used for therapy of shock.
7. Name any two calcium channel blockers and its uses.
8. Name any two neuromuscular blocking agents and its clinical uses.
9. Central cough suppressants.
10. What are endogenous peptides?

\*\*\*\*\*