

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**B.Pharm., Winter 2017-18 Examination**

**Semester: 5****Subject Code: 08101305****Subject Name: Pharmacology-II****Date: 20/12/2017****Time: 10:00 am to 1:00 pm****Total Marks: 75****Instructions:**

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

**Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each) (20)**

1. Classify antihypertensive agents. Write mechanism of action and therapeutic uses of ACE inhibitors as antihypertensive agents.
2. Classify NSAIDs. Give their mechanism of action, therapeutic uses and adverse effects in detail.
3. Classify Opioid analgesics. Give their pharmacological actions, therapeutic uses and adverse effects.

**Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each) (35)**

1. Classify anti coagulants. Write a note on oral anticoagulants.
2. Describe mechanism of action, adverse effects and therapeutic uses of nitrates.
3. Classify antidepressant drugs. Write a note on SSRIs.
4. Write a note on Gene Therapy.
5. Classify drugs used in parkinsonism. Explain pharmacology of levodopa in detail.
6. Discuss pharmacology of antiepileptic agents.
7. Classify diuretics. Write a note on thiazide diuretics.
8. Discuss the drugs increasing myocardial contractility.
9. Classify anti arrhythmic agents. Discuss sodium channel blockers as antiarrhythmic agents.

**Q.3 Answer in short. (2 marks each) (20)**

1. Write a note on Haematinics.
2. Write mechanism of action and therapeutic uses of Disulfiram.
3. Explain mechanism of action and uses of benzodiazepines.
4. Describe drugs used in treatment of tobacco dependence.
5. Describe: Plasma Expanders.
6. Write a note on atypical antipsychotics.
7. Explain drugs used in treatment of insomnia.
8. Write a note on erythropoietin.
9. Elucidate the mechanism of action and adverse effects of HMG-CoA Reductase inhibitors.
10. Write a note on dopamine neurotransmitter.