Seat No: _____ **Enrollment No: _____**

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Winter 2019-20 Examination

Semester: 5 **Date: 24/12/2019**
Subject Code: 08101305 **Time: 10:00am to 1:00pm**
Subject Name: Pharmacology-II **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. Give classification of antiparkinsonian drugs. Discuss their mechanism of action and adverse effects in brief.
2. Write classification of Antihypertensive agents. Elaborate mechanism of action and adverse effects of any two classes in detail.
3. Describe the pharmacology of antihyperlipidemic drugs in detail.

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

1. Discuss the pharmacology of oral and parenteral anti-coagulants.
2. Give classification of Opioid Analgesics. Explain their mode of action and adverse effects.
3. Write a note on Gene therapy.
4. Discuss the pharmacological actions and toxicity of ethanol.
5. Give classification of NSAIDs. Discuss mechanism of action and adverse effects of COX-2 inhibitors.
6. Classify anti-arrhythmic agents. Discuss pharmacology of class-I agents in detail.
7. Give classification of antipsychotic agents. Give an account of their common adverse effects.
8. Write the classification of diuretics. Discuss mechanism of action of osmotic diuretics and thiazide diuretics.
9. Give classification of anti-epileptics. Discuss mechanism of action and adverse effects of phenytoin.

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

1. Write a note on glutamate as neurotransmitter.
2. Describe the pharmacology of Plasma Expanders.
3. Explain the stages of general anesthesia.
4. Write a brief note on Sedatives and Hypnotics.
5. Give definition and types of drug dependence.
6. Discuss the types of angina pectoris with their pathophysiological relevance.
7. Discuss mechanism of action and pharmacological actions of digitalis.
8. Write a note on CNS stimulants with their therapeutic uses.
9. Write mechanism of action, uses and adverse effects of Imipramine.
10. Discuss the pharmacology of GPIIb-IIIa receptor blockers.