

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 6 EXAMINATION – SUMMER-2024

Subject Code: 2260005**Date: 16/05/2024****Subject Name: Pharmacology and Pharmacotherapeutics–II****Time: 10.30 a.m. to 1.30 p.m.****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Discuss etiology, clinical signs and symptoms and pathophysiology of Parkinsonism. Explain why levodopa is given in combination with carbidopa in treatment of Parkinsonism. **06**
- (b) Explain in detail Psychoses. Classify antipsychotic agents. **05**
- (c) Write a note on CNS stimulants. **05**
- Q.2** (a) Discuss pathophysiology and pharmacotherapeutic management of Depression. **06**
- (b) Give the detailed classification of anti-anxiety drugs. Describe Benzodiazepines. **05**
- (c) Write a short note on: Drug dependence and abuse. **05**
- Q.3** (a) Explain pathophysiology, symptoms and treatment of Rheumatoid arthritis. **06**
- (b) Write a short note on: Stages of anaesthesia. **05**
- (c) Discuss the pathophysiology, and treatment of Gout. **05**
- Q.4** (a) Discuss sign -symptoms and treatment of Methanol poisoning. **06**
- (b) What are Opioids? Write pharmacological actions of Morphine. **05**
- (c) Classify immunosuppressants. Write the mechanism of action, adverse effects and therapeutic uses of Cyclosporin. **05**
- Q.5** (a) Define pain. Explain in detail gate control theory of Pain pathway. **06**
- (b) Explain the treatment of alcohol and tobacco addiction. **05**
- (c) Write a note on “GABA - a neurotransmitter.” **05**
- Q.6** (a) Classify NSAIDs with examples. Explain the pharmacological actions and therapeutic uses of Aspirin. **06**
- (b) Write a short note on gout. **05**
- (c) Explain pathophysiology and clinical signs & symptoms of Schizophrenia. **05**
- Q.7** (a) Classify antiepileptic drugs acting through GABA giving brief mechanism of each class. What is status epilepticus. **06**
- (b) Discuss about the Alzheimer’s diseases. **05**
- (c) Explain in detail Preanaesthetic medication **05**
