

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. - SEMESTER-VI • EXAMINATION –SUMMER-2022

Subject Code: 2260005**Date: 13/06/2022****Subject Name: Pharmacology and Pharmacotherapeutics-II****Time: 10:30am to 01:30pm****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) Classify CNS stimulant drugs. Explain mechanism of action and therapeutic uses of amphetamine. **06**
(b) Write a short note on dopamine as CNS neurotransmitter. **05**
(c) Write a short note on immunostimulants. **05**
- Q.2** (a) Classify NSAIDs. Explain the pharmacological actions and therapeutic uses of aspirin. **06**
(b) Write mechanism of action and complication of general anesthetics. **05**
(c) Discuss the role of SSRI in management of depression. **05**
- Q.3** (a) Classify immunosuppressants and explain pharmacology of cyclosporine. **06**
(b) Write a short note on preanaesthetic medications. **05**
(c) Discuss about drug tolerance. **05**
- Q.4** (a) Classify DMARDS. Discuss management of rheumatoid arthritis. **06**
(b) Write a note on disulfiram as an aldehyde dehydrogenase inhibitor. **05**
(c) Enlist different types of seizures and discuss its management. **05**
- Q.5** (a) Describe pathophysiology of Parkinson's disease and justify the use of L-dopa & carbidopa combination for treatment. **06**
(b) Discuss pharmacology and mechanism of action of opioid antagonists. **05**
(c) Explain the pathophysiology and clinical symptoms of Alzheimer's disease. **05**
- Q. 6** (a) Classify opioid analgesics. Discuss its pharmacological actions. **06**
(b) Discuss pathophysiology of insomnia. **05**
(c) Discuss pathophysiology and pharmacotherapeutic management of schizophrenia. **05**
- Q.7** (a) Explain pathophysiology and pharmacotherapeutic management of gout. **06**
(b) Define anxiety. Discuss about the diagnosis and treatment of anxiety. **05**
(c) Explain the treatment of alcohol and tobacco addiction. **05**
