

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Ph. - SEMESTER-6 • EXAMINATION –WINTER-2023**

**Subject Code: 2260005****Date: 14/12/2023****Subject Name: Pharmacology and Pharmacotherapeutics–II****Time: 02:30pm to 05:30pm****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 neurotransmitters. Write physiological and pathological role of the GABA neurotransmitter. **06**  
(b) Explain preanesthetic medications with suitable examples and its significances. **05**  
(c) Write a note on drug addiction. **05**
- Q.2** (a) Classify the NSAIDs. Write mechanism and adverse effects of the Aspirin. **06**  
(b) Define schizophrenia. Write clinical symptoms and pathogenesis of the psychosis. **05**  
(c) Write pharmacological management of the Rheumatoid arthritis. **05**
- Q.3** (a) Define convulsion and seizure. Discuss in details various types of the epilepsy. **06**  
(b) Explain symptoms and treatment of methyl alcohol poisoning. **05**  
(c) Write a note on CNS stimulants. **05**
- Q.4** (a) Explain pathogenesis and management of the Alzheimer's disease **06**  
(b) Discuss symptoms and pathogenesis of the depression. **05**  
(c) Write a note on immunosuppressant. **05**
- Q.5** (a) Explain symptoms, treatment and management of the Parkinson's disease. **06**  
(b) Write pharmacological actions of the morphine. **05**  
(c) Explain drug dependence and tolerance with suitable examples. **05**
- Q.6** (a) Classify drugs used in gout. Write mechanism of action and side effects of the allopurinol. **06**  
(b) Explain in details about Neurohumoral transmission. **05**  
(c) Define the followings **05**  
a) Vaccines, b) Antisera, c) Immunoglobulins d) Antipyretic, e)  
Hallucinogen
- Q.7** (a) Classify anxiolytic drugs. Write mechanism and side effects of the Buspirone. **06**  
(b) Explain pharmacological actions of the ethyl alcohol. **05**  
(c) Write mechanism of action and side effects of the Benzodiazepines. **05**

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