

Enrollment No./Seat No.:

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm - SEMESTER - VI EXAMINATION - WINTER 2025**

**Subject Code: 2260005**

**Date: 24-11-2025**

**Subject Name: Pharmacology and Pharmacotherapeutics–II**

**Time: 02:30 PM TO 05:30 PM**

**Total Marks: 80**

**Instructions**

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

	<b>Marks</b>
<b>Q.1 (a)</b> Classify general anesthetics. Discuss its mechanism of action and stages of anesthesia.	<b>06</b>
<b>(b)</b> Discuss pharmacological actions of ethyl alcohol. Add a note on Disulfiram.	<b>05</b>
<b>(c)</b> Classify opioid analgesics. Discuss its pharmacological actions and adverse effects.	<b>05</b>
<b>Q.2 (a)</b> Classify NSAID.s. Write about its mechanism of action, pharmacological actions and adverse effects.	<b>06</b>
<b>(b)</b> Write about caffeine and amphetamine.	<b>05</b>
<b>(c)</b> Explain etiology, pathophysiology, symptoms and treatment of Parkinson's disease.	<b>05</b>
<b>Q.3 (a)</b> Give examples of drugs with which dependence is produced. Explain about drug dependence, drug addiction, drug habituation and withdrawal symptoms.	<b>06</b>
<b>(b)</b> Write a note on opioid antagonists with its classification.	<b>05</b>
<b>(c)</b> Discuss various pathophysiological aspects of Gout.	<b>05</b>
<b>Q.4 (a)</b> Write about synthesis, actions, distribution, agonists and antagonists of dopamine as neurotransmitter.	<b>06</b>
<b>(b)</b> Define pre anesthetic medication. Write about drugs used for it with purposes.	<b>05</b>
<b>(c)</b> Discuss pathogenesis of Alzheimer's disease.	<b>05</b>
<b>Q.5 (a)</b> Discuss pharmacology of Cyclosporine and Tacrolimus.	<b>06</b>
<b>(b)</b> Write a note on drug tolerance.	<b>05</b>
<b>(c)</b> Write symptoms, pathogenesis, treatment and management of anxiety and insomnia.	<b>05</b>
<b>Q.6 (a)</b> Discuss Serotonin as neurotransmitter.	<b>06</b>
<b>(b)</b> Write about methyl alcohol poisoning and treatment.	<b>05</b>
<b>(c)</b> Write about etiology, pathophysiology, complications and treatment of depression.	<b>05</b>
<b>Q.7 (a)</b> Discuss pathophysiology of Epilepsy.	<b>06</b>
<b>(b)</b> Write about positive and negative symptoms of psychosis along with its pathophysiology.	<b>05</b>

(c) Write a note on selective COX II inhibitors.

05

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