

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Ph. - SEMESTER- IV • EXAMINATION – WINTER -2022**

**Subject Code: BP404TP****Date: 29/12/2022****Subject Name: PHARMACOLOGY- I****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.

<b>Q.1</b>	(a) Define the term 'Drug'. Enlist various sources of drug.	<b>06</b>
	(b) Explain the pharmacological uses of Acetylcholine.	<b>05</b>
	(c) Describe the different stages of anesthesia.	<b>05</b>
<b>Q.2</b>	(a) Explain merits and demerits of oral route.	<b>06</b>
	(b) Describe the pharmacology of Ethyl alcohol.	<b>05</b>
	(c) Classify parasympathomimetic agents with example. Write a note on Atropine.	<b>05</b>
<b>Q.3</b>	(a) Differentiate between sympathetic and parasympathetic nervous system.	<b>06</b>
	(b) Classify Adverse drug reactions with examples.	<b>05</b>
	(c) Explain the neurotransmitter GABA and serotonin.	<b>05</b>
<b>Q.4</b>	(a) Describe various phases of clinical trial and its importance.	<b>06</b>
	(b) Write a note on drugs used for glaucoma	<b>05</b>
	(c) Write a note on anti-Parkinson drugs.	<b>05</b>
<b>Q.5</b>	(a) Enlist factors affecting parenteral route of drug absorption.	<b>06</b>
	(b) Describe anti-depressant agents.	<b>05</b>
	(c) Write a note on Pharmacovigilance.	<b>05</b>
<b>Q.6</b>	(a) What is receptor? Explain G-protein coupled receptors.	<b>06</b>
	(b) Classify types of epilepsy and antiepileptic drugs.	<b>05</b>
	(c) Explain the role of enzyme in metabolism.	<b>05</b>
<b>Q.7</b>	(a) Describe pharmacology of opioid analgesics.	<b>06</b>
	(b) Write a note on CNS stimulant agents.	<b>05</b>
	(c) What are preanesthetic agents? How they are useful?	<b>05</b>

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