

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm.- SEMESTER– IV• EXAMINATION – WINTER-2021

Subject Code: BP404TP**Date: 17 /02/2022****Subject Name: PHARMACOLOGY-I****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.

- Q.1** (a) Define the Following with Example: (a) Essential drugs (b) Drug Tolerance (c) Idiosyncrasy. **06**
- (b) Give in Details about G-Protein coupled receptors with example. **05**
- (c) Classify drug used in treatment of Parkinson disease and write the pharmacology of levodopa **05**
- Q.2** (a) What is Drug interactions, give the explanation of drug interaction on the basis of pharmacokinetic with example. **06**
- (b) Classify skeletal muscle relaxant drugs. Discuss mechanism of action of any one class involved in it. **05**
- (c) Classify Local anesthetic. Write the effect on CNS and CVS. **05**
- Q.3** (a) Classify the receptors, and give in details about Drug receptors interactions signal transduction mechanisms. **06**
- (b) Give in details about drugs used in treatment of myasthenia gravis and glaucoma. **05**
- (c) Give in Details about historical landmarks and scope of pharmacology. **05**
- Q.4** (a) Give in details about Therapeutic index, combined drugs effects and adverse drug reactions. **06**
- (b) Classify Antipsychotics drug and write the pharmacology of phenothiazine. **05**
- (c) Classify Anti-epileptics drugs and give the mechanism of sodium valproate. **05**
- Q.5** (a) Classify Neurotransmitters and give in details about GABA and dopamine. **06**
- (b) Write the Detail action of ethyl Alcohol on CNS and give in details about disulfiram effect on GI. **05**
- (c) Classify opioid analgesics and write the pharmacology of opioid receptor. **05**
- Q. 6** (a) Classify rout of administration with Example and give in details about factor affecting drug absorption. **06**
- (b) Classify the General anesthetics with example and give in details about surgical Anesthesia. **05**
- (c) Classify Sedatives, hypnotics and give the pharmacology of Benzodiazepine. **05**
- Q.7** (a) Give in details about Drug discovery phase of preclinical evaluation phase, clinical trial phase. **06**
- (b) Classify with example of Parasympathomimetics and sympatholytics. **05**
- (c) Classify the drug used as CNS stimulants and give the pharmacology of Amphetamine. **05**
