

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. - SEMESTER-6 • EXAMINATION – SUMMER -2018

Subject Code: 2260005**Date: 10/05/2018****Subject Name: Pharmacology and Pharmacotherapeutics-II****Time: 10:30 AM TO 01:30 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) Discuss pathophysiology and pharmacotherapeutic management of Schizophrenia. **06**
- (b) Classify CNS Stimulants. Explain mechanism of action and therapeutic uses of Amphetamine **05**
- (c) Write a note on etiology and treatment of Gout. **05**
- Q.2** (a) Discuss briefly: (i) Psychological dependence (ii) Drug induced reward (iii) Drug abuse. **06**
- (b) List out ideal properties of general anesthetics. Describe different stages of general anesthesia. **05**
- (c) Write clinical manifestations and pharmacotherapeutic management of Mania. **05**
- Q.3** (a) Classify opioid analgesics. Discuss about opioid antagonists with reference to opioid receptors. **06**
- (b) Explain pathophysiology and treatment of Alzheimer's disease. **05**
- (c) Explain mechanisms of tolerance development with suitable examples. **05**
- Q.4** (a) Classify immunosuppressants. Write mechanism of action, therapeutic uses and adverse effects of Tacrolimus. **06**
- (b) Write mechanism of action and therapeutic uses of the followings: **05**
1. Bupropion 2. Buspirone
- (c) Write a note on dopamine as a CNS neurotransmitter. **05**
- Q.5** (a) Classify NSAIDS. Explain Mechanism of action, therapeutic uses and adverse effects of Aspirin. **06**
- (b) Write a note on selective COX-II inhibitors. **05**
- (c) Write a note on methyl alcohol poisoning and its treatment. **05**
- Q. 6** (a) Describe pathophysiology of parkinsonism and justify the use of L-dopa and Carbidopa combination for treatment. **06**
- (b) Write briefly on management and treatment of anxiety. **05**
- (c) Discuss therapeutic management of Grandmal epilepsy. **05**
- Q.7** (a) Describe etiology, signs and symptoms, diagnosis and treatment of Depression. **06**
- (b) Classify Hallucinogens. Discuss Cannabinoids as Hallucinogens. **05**
- (c) Write a note on pre-anesthetic medications. **05**
