

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.

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|-------------|-----|---|-----------|
| 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:
1. Bupropion 2. Buspirone | 05 |
| | (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 |
