

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. Pharm. – SEMESTER – VI • EXAMINATION – WINTER • 2016**

**Subject Code: 2260005**

**Date: 25-10-2016**

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

**Time: 02:30 pm - 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>Q.1</b>  | (a) Enlist inhibitory neurotransmitters in CNS. Write in detail about any one.   | <b>06</b> |
|             | (b) Explain in brief about various stages of general anaesthesia.  | <b>05</b> |
|             | (c) Write a note on CNS stimulants.  | <b>05</b> |
| <b>Q.2</b>  | (a) Classify NSAIDs with examples. Explain therapeutic uses of Aspirin.  | <b>06</b> |
|             | (b) Explain in brief about opioid antagonist.  | <b>05</b> |
|             | (c) Write a note on Glutamate as a central neurotransmitter.   | <b>05</b> |
| <b>Q.3</b>  | (a) Classify opioid analgesics. Describe pharmacology of Morphine in detail.   | <b>06</b> |
|             | (b) Write a note on methyl alcohol poisoning. Explain how ethyl alcohol is used in methyl alcohol poisoning.             | <b>05</b> |
|             | (c) Write a note on pathophysiology and treatment of Gout.   | <b>05</b> |
| <b>Q.4</b>  | (a) Enumerate affective disorders. Explain in brief about clinical manifestation, diagnosis and treatment of depression. | <b>06</b> |
|             | (b) Discuss diagnosis and management of Rheumatoid arthritis   | <b>05</b> |
|             | (c) Write a note on immunostimulants.  | <b>05</b> |
| <b>Q.5</b>  | (a) Classify epilepsy. Mention drug of choice for each type.   | <b>06</b> |
|             | (b) Discuss etiology and pathophysiology of Parkinsonism in detail.  | <b>05</b> |
|             | (c) Write a note on treatment of insomnia.   | <b>05</b> |
| <b>Q. 6</b> | (a) Classify immunosuppressants. Write mechanism of action and adverse effects of ciclosporin.                           | <b>06</b> |
|             | (b) Discuss types, symptoms and treatment of anxiety.  | <b>05</b> |
|             | (c) Write a short note on drug dependence and drug abuse.  | <b>05</b> |
| <b>Q.7</b>  | (a) Give comment on following:   | <b>06</b> |
|             | i. Levodopa and Carbidopa is used in combination for treatment of Parkinson's disease.                                   |           |
|             | ii. Disulfiram is used as antabuse for alcohol.  |           |
|             | iii. Atropine is used as preanaesthetic medication.  |           |
|             | (b) Explain pathophysiology and treatment of schizophrenia.  | <b>05</b> |
|             | (c) Write in detail about symptoms, stages and new treatment trends in Alzheimer's disease.                              | <b>05</b> |

\*\*\*\*\*