

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER – 6- EXAMINATION –WINTER - 2018**

**Subject Code:2260005****Date: 01/12/2018****Subject Name: Pharmacology and Pharmacotherapeutics-II****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.

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|-------------|-----|---|-----------|
| <b>Q.1</b>  | (a) | Classify DMARDS. Discuss management of rheumatoid arthritis.  | <b>06</b> |
|             | (b) | Discuss pathophysiology, signs and symptoms of epilepsy.  | <b>05</b> |
|             | (c) | Write short note on immunostimulants.   | <b>05</b> |
| <b>Q.2</b>  | (a) | Discuss the role of neurotransmitters in reward pathways. Write treatment of drug addiction of tobacco.       | <b>06</b> |
|             | (b) | Classify opioid antagonists. Write the clinical indications of the same.                                      | <b>05</b> |
|             | (c) | Write short note on respiratory stimulants and proconvulsants.  | <b>05</b> |
| <b>Q.3</b>  | (a) | Write pathophysiology of depression. Discuss in detail SSRIs.   | <b>06</b> |
|             | (b) | Write a note on Benzodiazepines.  | <b>05</b> |
|             | (c) | Discuss the role of excitatory neurotransmitters in neurodegenerative diseases.                               | <b>05</b> |
| <b>Q.4</b>  | (a) | Write pharmacological actions of NSAIDs.  | <b>06</b> |
|             | (b) | Write short note on Aldehyde dehydrogenase inhibitors.  | <b>05</b> |
|             | (c) | Write the physiological and pathophysiological functions of serotonin in CNS.                                 | <b>05</b> |
| <b>Q.5</b>  | (a) | Write mechanism of action of general anesthetics. Discuss in detail dissociative anesthetic agent.            | <b>06</b> |
|             | (b) | Discuss in detail pharmacology of Lithium.  | <b>05</b> |
|             | (c) | Justify the use of Carbidopa and Tolcapone in Parkinsonism.   | <b>05</b> |
| <b>Q. 6</b> | (a) | Write mechanism of actions of newer antiepileptic agents.   | <b>06</b> |
|             | (b) | Write a note on pre-anesthetic agents   | <b>05</b> |
|             | (c) | Classify immunosuppressive agents. Write the adverse effects and uses of Methotrexate.                        | <b>05</b> |
| <b>Q.7</b>  | (a) | Discuss pathophysiology of insomnia.  | <b>06</b> |
|             | (b) | Mention the class and therapeutics use of: Celecoxib, Bupropion, Buprenorphine, Flumazenil, Dextromethorphan. | <b>05</b> |
|             | (c) | Write short note on inhalational general anesthetic agents.   | <b>05</b> |

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