

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