

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

PHARM.D YEAR-2 EXAMINATION – WINTER-2019

Subject Code: 828804

Date: 21/11/2019

Subject Name: Pharmacology-I

Time: 10:30 AM TO 01:30 PM

Total Marks: 70

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 bronchodilators. Discuss in detail. | 06 |
| | (b) Classify different types of 5-HT receptors with examples of agonists and antagonists. | 04 |
| | (c) Explain about various Hormonal contraceptives. | 04 |
| Q.2 | (a) Write Mechanism of action, Pharmacological action, Therapeutic use and toxicity of Digoxin. | 06 |
| | (b) Write down pharmacology of Oxytocics. | 04 |
| | (c) Discuss types, pharmacology and adverse effects of estrogen | 04 |
| Q.3 | (a) Classify lipid lowering agents. Write note on HMG CoA reductase inhibitors | 06 |
| | (b) Enlist and explain various factors responsible for variation in drug response. | 04 |
| | (c) Define antitussives. Enlist drugs used for this purpose & describe any one drug. | 04 |
| Q.4 | (a) Define biotransformation. Explain various factors affecting biotransformation of drugs. | 06 |
| | (b) Write about anticholinesterases. | 04 |
| | (c) Describe in detail pharmacology of histamine. | 04 |
| Q.5 | (a) Classify local anesthetics. Write about adverse effects, uses & techniques of local anesthesia. | 06 |
| | (b) Classify CNS Stimulants. Describe pharmacology of Caffeine | 04 |
| | (c) Write a note on Plasma protein binding. | 04 |
| Q. 6 | (a) Classify General anesthetics and describe its stages and mechanism | 06 |
| | (b) Discuss pharmacological actions and therapeutic uses of beta-receptor blocking agents. | 04 |
| | (c) Differentiate between depolarizing and non-depolarizing blockers. | 04 |
| Q.7 | (a) Classify NSAIDS. Explain Mechanism of action, therapeutic uses and adverse effects of Aspirin | 06 |
| | (b) Give comment on following: | 04 |
| | 1. Disulfiram is used as antabuse for alcohol. | |
| | 2. Atropine is used as preanaesthetic medication. | |
| | (c) Write a note on anti-arrhythmic drugs in details. | 04 |
