Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D – YEAR -2- EXAMINATION –WINTER - 2018

Subject Code:828804   **Date: 28/11/2018**
Subject Name: Pharmacology-I
Time:02.30 P.M. TO 5.30 P.M.   **Total Marks: 70**

Instructions:
1. **Attempt any five questions.**
2. **Make Suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Enlist routes of drug administration. Write merits and demerits of injectable route.	**06**
	(b)	Write a note on neuromuscular blockers.	**04**
	(c)	Define sedative and hypnotic. Explain mechanism of action of benzodiazepine.	**04**
Q.2	**(a)**	Classify antihypertensive drugs. Discuss pharmacology of angiotensin converting enzyme inhibitor.	**06**
	(b)	Classify antitussive agents. Write pharmacology of codeine.	**04**
	(c)	Write a note on methyl alcohol poisoning.	**04**
Q.3	**(a)**	Classify anticholinesterase. Explain mechanism of action and therapeutic uses of anticholinesterase.	**06**
	(b)	Discuss factors affecting drug absorption.	**04**
	(c)	Write a note on oral contraceptives.	**04**
Q.4	**(a)**	Write mechanism of action, adverse effects and therapeutic uses of theophylline.	**06**
	(b)	Classify antiarrhythmic drugs.	**04**
	(c)	Write a note on sub-acute toxicity study.	**04**
Q.5	**(a)**	Classify oral hypoglycemic agents. Write pharmacology of SGLT-2 inhibitors.	**06**
	(b)	Write therapeutic uses and adverse effects of chlorpromazine.	**04**
	(c)	Discuss various stages of general anesthesia.	**04**
Q. 6	**(a)**	Classify sympathomimetics. Write pharmacological actions of adrenaline.	**06**
	(b)	Explain pharmacology of statin.	**04**
	(c)	Write a note on CNS stimulant.	**04**
Q.7	**(a)**	Discuss physiological and pathological role of serotonin.	**06**
	(b)	Classify NSAIDs. Write therapeutic uses of aspirin.	**04**
	(c)	Explain role of platelet activating factor in inflammation.	**04**

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