Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Pharmacy – 1st Year Examination – OCTOBER 2012

Subject code: 420003 **Date: 30-10-2012**

Subject Name: Pharmacology and Toxicology

Time: 2:30 pm – 5:30 pm **Total Marks: 80**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	(a)	Differentiate between IV route and oral route of drug administration.	**06**
	(b)	Describe in detail the factors affecting the absorption of drugs.	**05**
	(c)	Write a note on excretion of drugs.	**05**
Q.2	(a)	Describe the stages of general anaesthesia.	**06**
	(b)	Give Pharmacological actions, therapeutic uses and adverse effects of morphine.	**05**
	(c)	Write pharmacological actions and adverse effects of L-DOPA.	**05**
Q.3	(a)	Classify the anti-epileptics and give mechanism of action & adverse effects of phenytoin.	**06**
	(b)	Classify parasympatholytics. Write a note on Atropine.	**05**
	(c)	Give pharmacological actions, adverse effects and therapeutic uses of chlorpromazine.	**05**
Q.4	(a)	Write pharmacological actions, mechanism of action & therapeutic uses of propranolol.	**06**
	(b)	Explain the mechanism of action and pharmacological actions of Digitalis.	**05**
	(c)	Write a note on proton pump inhibitors.	**05**
Q.5	(a)	Give classification of anti-hypertensive agents. Write a note on calcium channel blockers.	**06**
	(b)	Discuss the drugs used in the treatment of malaria.	**05**
	(c)	Write a note on loop diuretics.	**05**
Q. 6	(a)	Classify anti-cancer drugs. Write mechanism of action of alkylating agents.	**06**
	(b)	Justify the role of bronchodilators in asthma.	**05**
	(c)	Write pharmacological actions of insulin.	**05**
Q. 7	(a)	Enumerate agents used in the treatment of tuberculosis. Write a note on isoniazid.	**06**
	(b)	Give adverse effects of tetracycline and chloramphenicol.	**05**
	(c)	Explain the mechanism of action and therapeutic uses of co-trimoxazole.	**05**

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