Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. – SEMESTER – II • EXAMINATION – WINTER • 2015

Subject Code: 2920106 **Date: 07-12-2015**

Subject Name: Applied Pharmacotherapeutics-I

Time: 10:30 am - 01:30 pm **Total Marks: 80**

Instructions:

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

Q.1	**(a)**	Describe the criteria of essential hypertension as per WHO. Write the algorithm for its management.	**06**
	(b)	Give a detailed account on clinical features and treatment of diabetes mellitus.	**05**
	(c)	What is IBD? Write its etiology and treatment.	**05**
Q.2	**(a)**	Describe factors involved in causing bronchial asthma and the role of various mediators.	**06**
	(b)	Write the pathophysiology, risk factors, diagnosis, complications and treatment of hepatitis B.	**05**
	(c)	Mention the common causes of seiures. Classify epileptic seizures and explain general principles for management of epilepsy.	**05**
Q.3	**(a)**	Describe the pathophysiology and management of COPD.	**06**
	(b)	Write brief mechanism & classify arrhythmia with details about sinus arrhythmia.	**05**
	(c)	Write a note on insomnia.	**05**
Q.4	**(a)**	Explain briefly pathophysiology and management of cystic fibrosis.	**06**
	(b)	Describe clinical management of peptic ulcer disease.	**05**
	(c)	Write a short note on depression.	**05**
Q.5	**(a)**	Describe the phases of migraine and explain the role of $5HT_3$ in migraine.	**06**
	(b)	Discuss etiology, clinical manifestation and treatment of hypothyroidism.	**05**
	(c)	Discuss the management of hyperlipidemia.	**05**
Q. 6	**(a)**	Explain the pathophysiology and influence of digoxin in CHF.	**06**
	(b)	Discuss pathophysiology of Parkinson's disease. Discuss the various combination therapy for its management.	**05**
	(c)	Write a short note on adrenocortical dysfunction.	**05**
Q.7	**(a)**	Differentiate nausea and vomiting. Discuss the management for chemotherapy induced nausea and vomiting.	**06**
	(b)	Write the algorithm for the management of AMI.	**05**
	(c)	Explain the etiology and pathophysiology of Alzheimer's disease.	**05**

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