Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY M. Pharm. – SEMESTER – II • EXAMINATION – WINTER 2013

		bject Code: 2920106 Date: 28-11-2013 bject Name: Applied Pharmacotherapeutics-I	
	Ti	me: 10.30 am - 01.30 pm Total Marks: 80	
		 Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 	
Q.1	(a)	Write in details about pathophysiology of hypertension. Explain the management of hypertension with algorithm.	06
	(b) (c)	Enumerate antidiabetic drugs. Write a note on various types of insulin. Write a note on pathophysiology and management of peptic ulcer.	05 05
Q.2	(a)	Enumerate various causes of Congestive Heart Failure. Write a note on beneficial and detrimental effects of the compensatory responses in heart failure.	06
	(b)	Define nausea and vomiting. Explain the pathophysiology and therapeutic plan of vomiting.	05
	(c)	Write a note on hypertensive emergencies and urgencies with its management.	05
Q.3	(a) (b)	Explain the normal ECG. Write a note on mechanisms of cardiac arrhythmias. Differentiate ulcerative colitis and Crohn's disease based on signs and symptoms as well as laboratory findings. Mention treatment recommendations for Crohn's Disease.	06 05
	(c)	Write a note on clinical presentation and diagnosis of Acute Myocardial Infarction. Mention a rationale for each pharmacological intervention in the management of AMI.	05
Q.4	(a)	Exlain the pathophysiology of asthama. Mention a therapeutic plan for patients with chronic asthma.	06
	(b) (c)	Write a note various etiological hypotheses for Major depression disorder. Justify use of triptans in migraine management.	05 05
Q.5	(a)	Explain the pathophysiology of cystic fibrosis (CF) and its multi-organ system involvement.	06
	(b) (c)	Discuss pathophysiology and clinical features of hepatitis B. Enumerate signs and symptoms of COPD. Classify severity of COPD as per GOLD guidelines. List out treatment goals for a patient with COPD.	05 05
Q. 6	(a)	Enumerate various warning signs of Alzheimer's Disease. Write note pathophysiology of AD.	06
	(b) (c)	Classify seizure types and suggest initial monotherapy treatment. Write a note on the management of Parkinson's disease with algorithm.	05 05
Q.7	(a)	Discuss glucose homeostasis in normal and diabetic individual. Add a note on latent autoimmune diabetes in adults (LADA) and maturity onset diabetes of the young (MODY).	06
	(b) (c)	Explain the pharmacological management of hyperlipidemia. Write a note on prediabetes conditions and discuss their management.	05 05
