GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – III • EXAMINATION – SUMMER 2013

Subject Code: 230005 Date: 14-06-2013			
Subject Name: Pathophysiology Time: 10.30 am - 01.30 pm Total Marks: 80 Instructions:			
mstrt	 Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 		
Q.1	(a) (b)	Write note on etiology of cell injury Enlist chemical mediators involved in inflammation. Discuss in detail about role of histamine in inflammation	06 05
	(c)	Define immunity. Add a note on adaptive immunity	05
Q.2	(a)	Explain the cellular and molecular mechanism of reversible and irreversible injury due to hypoxia/ischemia	06
	(b) (c)	Explain mechanism of rejection of allograft in host Explain vascular and cellular phase of acute inflammation	05 05
Q.3	(a) (b) (c)	Define apoptosis. Give molecular mechanism and importance of apoptosis Write note on amyloidasis Define self tolerance and explain its mechanism	06 05 05
Q.4	(a) (b) (c)	Explain mechanism of tissue repair Differentiate acute and chronic inflammation Discuss in brief about biological effects of radiation	06 05 05
Q.5	(a) (b) (c)	Discuss in detail about type I hypersensitivity reaction Define healing. Discuss primary union of skin wounds Differentiate kwashiorkor and marasmus	06 05 05
Q. 6	(a)	Define and explain following 1. Hyperplasia 2. Hypertrophy 3. Atrophy	06
	(b)	Enlist autoimmune disease. Write note on etiology and pathogenesis of rheumatoid arthritis	05
	(c)	Write note on components of extracellular matrix	05
Q.7	(a) (b)	Discuss pathologic basis of fatty liver Write note on systemic lupus erythematosus	06 05
	(c)	Write note on types of necrosis **********************************	05