GUJARAT TECHNOLOGICAL UNIVERSITY B. Pharm. – SEMESTER – III • EXAMINATION – WINTER 2013

Subi	ect Co	Date: 23-12-2013	
		me: Pathophysiology	
		0 am - 01.30 pm Total Marks: 80	
Instructions:			
		ttempt any five questions. ake suitable assumptions wherever necessary.	
		gures to the right indicate full marks.	
Q.1			06
		manifestations in amyloidosis.	
	(b		05
	(c)	Explain the terms: 1. Hypertrophy 4. Atrophy	05
		2. Hyperplasia 5. Metaplasia	
		3. Dystrophic Calcification	
Q.2	(a)) Define acute inflammation. Write in detail about cellular events occur in	06
Q.2	(u	acute inflammation.	00
	(b) Write in detail about mechanism of autoimmunity.	05
	(c)) Write a note on obesity.	05
Q.3	(a)) Define apoptosis. Write in detail about mechanism of apoptosis.	06
	(b		05
	(c)) Write a note on carbon monoxide poisoning.	05
Q.4	(a)) Write in detail about mechanism of intracellular accumulation.	06
	(b	1 67	05
	(c)		05
		 Natural killer cell T lymphocytes MHC molecule Central tolerance 	
		3. Polyarteritis Nodosa	
Q.5	(a)) Write types of nutritional deficiencies. Write metabolic changes associated	06
X	(u	with starvation.	00
	(b) Write a note on biological effects of radiation.	05
	(c)) Write in detail about mechanism of tissue repair.	05
Q. 6	(a)) Classify hypersensitivity reactions. Explain the mechanism involved in the	06
		Type I (anaphylactic) hypersensitivity.	
	(b)		05 05
	(c)) Enlist chemical mediators of inflammation. Explain systemic effects of chronic inflammation.	05
Q.7	(a)) Explain the mechanisms of rejection of allografts in hosts.	06
·	(a) (b)	· · ·	05
	(c)) Explain the sequential changes in irreversible cell injury due to	05
		ischaemia/hypoxia.	
