Seat N	No.:	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
	В	. Pharm. – SEMESTER – III • EXAMINATION – WINTER • 2014	
Subi	ect Co	de: 230005 Date: 29-12-2014	
U		me: Pathophysiology	
•		0 am - 01:30 pm Total Marks: 80	
	ctions:	<u>-</u>	
		tempt any five questions.	
		ake suitable assumptions wherever necessary.	
	3. Fig.	gures to the right indicate full marks.	
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Q.1	(a)	Explain the terms:	06
		1. Atrophy 2. Natural killer cell 3. Metaplasia	
	(b)	4. Dystrophic calcification 5. MHC molecule 6. Xenograft Explain in brief about pathogenesis of reversible cell injury due to	05
	(0)	hypoxia/ischaemia.	03
	(c)	Write a note on types of necrosis.	05
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Q.2	(a)	What is apoptosis? Explain in brief about molecular mechanism of	06
		apoptosis.	
	(b)	Explain in detail about pathogenesis of HIV infection.	05
	(c)	Write a note on etiology and pathogenesis of obesity.	05
0.2	(a)	Define hymogeneitivity. White in detail shout Type I (anonhylectic)	06
Q.3	(a)	Define hypersensitivity. Write in detail about Type I (anaphylactic) hypersensitivity.	06
	(b)	Explain in brief about mechanism of allograft rejection.	05
	(c)	Write a note on pathogenesis of amyloidosis.	05
	(•)	The whole on pullingenesis of unity to thouse.	
Q.4	(a)	Enlist various autoimmune diseases. Write a note on etiology and	06
		pathogenesis of systemic lupus erythematosus (SLE).	
	(b)	Explain in brief about granulomatous inflammation.	05
	(c)	Write a note on pathogenesis of autoimmunity.	05
0.5	(0)	Define inflammation. Write in detail about cellular events occur in	06
Q.5	(a)	acute inflammation. Write in detail about central events occur in	VV
	(b)	Explain in detail about pathogenesis of free radical mediated cell	05
	(0)	injury due to hypoxia/ischaemia.	0.2
	(c)	Give difference between kwashiorkor and marasmus.	05
Q. 6	(a)	What is healing? Write in detail about sequence of events in primary	06
	(1.)	union of skin wounds.	0.5
	(b)	Write a note on fetty liver	05
	(c)	Write a note on fatty liver.	05
Q.7	(a)	Enlist cell derived mediators of acute inflammation. Write a note on	06
~• "	(4)	cytokines.	30
	(b)	Explain in detail about disorders related to deficiency of water	05
		soluble vitamins.	
	(c)	Discuss in brief about biological effects of radiation.	05

Enrolment No.____
