

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 4th Semester Internal Examination April-May 2013

030020405- Fundamentals of Pathophysiology and Health Education

Time: 10:00 a.m. To 1:00 p.m.

Max. Marks: 70

Date: 04/05/2013

Instructions:

- Question no. 1 is compulsory.
- From Q.2 to Q.7 attempt any four questions.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

Q.1	(a)	Answer the following: (any six)	06
		1 What is hypertrophy? Give one example.	
		2 Define: Autoimmune disorders	
		3 Define: Hansen's disease	
		4 Enlist the problems associated with increased population.	
		5 Explain the term chemotaxis.	
		6 Define: Toxoid	
		7 Write the name of causative microorganism for Whooping Cough.	
		8 Define angiogenesis	
	(b)	Describe in brief: (any four)	08
		1 Enlist types of necrosis.	
		2 Differentiate between Acute and Chronic inflammation.	
		3 Enumerate the hemodynamic changes that take place in the vascular events of acute inflammation.	
		4 Write a note on rickets.	
		5 Give significance of metaplasia.	
		6 Explain in detail about Vitamin B12 deficiency	
Q.2	(a)	Write a note on obesity.	04
	(b)	Define apoptosis. Write in detail about mechanism of apoptosis.	05
	(c)	Write in detail about mechanism of tissue repair.	05
Q.3	(a)	Write a note on calcification.	04
	(b)	Describe various methods of contraception.	05
	(c)	Discuss the etiology of starvation and the metabolic changes taking place in starvation.	05
Q.4	(a)	Differentiate between kwashiorkor and marasmus.	04
	(b)	Define acute inflammation. Write in detail about cell events occur in acute inflammation.	05
	(c)	Discuss in detail the pathophysiology of GI disorders.	05
Q.5	(a)	Write a note on extracellular matrix.	04
	(b)	What are hypersensitivity reactions? Describe Type II hypersensitivity reaction.	05
	(c)	Explain the sequential changes in irreversible cell injury due to ischaemia.	05
Q.6	(a)	Write a note on Amyloidosis	04
	(b)	Write a note on glycogen storage diseases.	05
	(c)	Describe the growth factors involved in tissue repair.	05
Q.7	(a)	Write a note on malarial life cycle.	04
	(b)	Explain the prevention and control of tuberculosis	05
	(c)	Write a note on fat soluble vitamins.	05