

Seat No.:-----

Enrolment No.:-----

UKA TARSADIA UNIVERSITY

Maliba Pharmacy College

B. Pharm 1st Semester Internal Examination Nov 2012

030020104- Human Anatomy and Physiology-I

Time: 01:30 p.m. To 04:30 p.m.

Max. Marks: **70**

Date: 30/11/2012

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 Define: Adaptive immunity.	
		2 What do you mean by transcription?	
		3 Define cardiac output.	
		4 Write the function of osteoclast.	
		5 Which is the common site for intramuscular injection in upper limb?	
		6 Define Hypertension.	
		7 Enlist sounds produced by heart during cardiac cycle.	
		8 Which sphincters are present in stomach?	
	(b)	Describe in brief: (any four)	08
		1 Write a note on nervous tissue.	
		2 Describe in detail about salivary gland.	
		3 Write a note on ECG.	
		4 Discuss the different stages of mitosis.	
		5 Difference between Artery and Vein.	
		6 Write a note on anemia.	
Q.2	(a)	Write a note on passive transport process.	04
	(b)	Describe in detail the physiology of muscle contraction.	05
	(c)	Explain in detail the histology of stomach.	05
Q.3	(a)	Enlist the GI Disorders and write a note on peptic ulcer.	04
	(b)	Explain in brief the mechanism of blood clotting.	05
	(c)	Write a note on composition and circulation of lymph.	05
Q.4	(a)	Write a note on different types of leucocytes.	04
	(b)	Define: Joints. Describe in brief the classification of joints.	05
	(c)	Describe the anatomy and physiology of liver and gall bladder.	05
Q.5	(a)	Describe different phases of digestion.	04
	(b)	Write a note of life cycle of RBC.	05
	(c)	Explain cardiac cycle in detail.	05
Q. 6	(a)	Draw a labeled diagram of heart.	04
	(b)	Describe factors affecting blood pressure.	05
	(c)	What is immunity? Write a note on cell mediated immunity.	05
Q.7	(a)	Write a note on ABO system of blood groups.	04
	(b)	Discuss in detail the chemical digestion in the small intestine.	05
	(c)	Describe conducting system of heart.	05