

Seat No.:-----

Enrolment No.:-----

**UKA TARSADIA UNIVERSITY**

**Maliba Pharmacy College**

B. Pharm 1<sup>st</sup> 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.

<b>Q.1</b>	<b>(a)</b>	<b>Answer the following: (any six)</b>	<b>06</b>
		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>(b)</b>	<b>Describe in brief: (any four)</b>	<b>08</b>
		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.	
<b>Q.2</b>	<b>(a)</b>	Write a note on passive transport process.	<b>04</b>
	<b>(b)</b>	Describe in detail the physiology of muscle contraction.	<b>05</b>
	<b>(c)</b>	Explain in detail the histology of stomach.	<b>05</b>
<b>Q.3</b>	<b>(a)</b>	Enlist the GI Disorders and write a note on peptic ulcer.	<b>04</b>
	<b>(b)</b>	Explain in brief the mechanism of blood clotting.	<b>05</b>
	<b>(c)</b>	Write a note on composition and circulation of lymph.	<b>05</b>
<b>Q.4</b>	<b>(a)</b>	Write a note on different types of leucocytes.	<b>04</b>
	<b>(b)</b>	Define: Joints. Describe in brief the classification of joints.	<b>05</b>
	<b>(c)</b>	Describe the anatomy and physiology of liver and gall bladder.	<b>05</b>
<b>Q.5</b>	<b>(a)</b>	Describe different phases of digestion.	<b>04</b>
	<b>(b)</b>	Write a note of life cycle of RBC.	<b>05</b>
	<b>(c)</b>	Explain cardiac cycle in detail.	<b>05</b>
<b>Q. 6</b>	<b>(a)</b>	Draw a labeled diagram of heart.	<b>04</b>
	<b>(b)</b>	Describe factors affecting blood pressure.	<b>05</b>
	<b>(c)</b>	What is immunity? Write a note on cell mediated immunity.	<b>05</b>
<b>Q.7</b>	<b>(a)</b>	Write a note on ABO system of blood groups.	<b>04</b>
	<b>(b)</b>	Discuss in detail the chemical digestion in the small intestine.	<b>05</b>
	<b>(c)</b>	Describe conducting system of heart.	<b>05</b>