Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – I • EXAMINATION – SUMMER • 2015

Subject Code: 2210004		le: 2210004 Date: 01-06-2	Date: 01-06-2015	
Subj	ect Nai	ne: Human Anatomy Physiology		
Time	e: 02:30) pm - 05:30 pm Total Marks	:: 80	
Instru	ictions:			
		tempt any five questions.		
		ake suitable assumptions wherever necessary.		
	3. Fig	gures to the right indicate full marks.		
Q.1	(a)	Define the word Tissue. Write a note on epithelial tissue.	06	
	(b)	Write in detail about the different transport mechanisms across cell	05	
		membrane.		
	(c)	Draw labelled schematic diagram of eukaryotic cell and explain its	05	
		organelles in short.		
Q.2	(a)	Write a note on general functions of blood.	06	
Q. <u>-</u>	(b)	Write a note on blood groups according to ABO system.	05	
	(c)	Write a note on Erythropoiesis.	05	
	` ,	• •		
Q.3	(a)	Explain the renin angiotensin aldosterone system (RAAS) and	06	
		explain its significance.		
	(b)	Write a short note on heart sounds.	05	
	(c)	Describe following terms	05	
		(i) Hypertension(ii) Leukaemia		
		(iii) Posterior		
		(iv) Leucopenia		
		(v) Lateral		
Q.4	(a)	Explain the anatomy of the heart with labelled schematic diagram.	06	
	(b)	Describe composition and function of lymph.	05	
	(c)	Write a short note on cardiac cycle.	05	
Q.5	(a)	Explain physiology of muscle contraction.	06	
	(b)	Enumerate various organs of gastro-intestinal tract. Explain the	05	
		functions of stomach.		
	(c)	Write a note on salivary glands.	05	
Q. 6	(a)	Explain the term "Immunity". Write a note on acquired immunity.	06	
Q. U	(b)	Discuss the Anatomy and functions of Liver.	05	
	(c)	Define "Blood Pressure". Discuss its significance and clinical	05	
	(*)	methods of Measurement of blood pressure.	-	
0.7	(a)	Enlist different types of joints. Write a note on synovial joints.	06	
Q.7	(a) (b)	Write a note on various types of anemia with its management.	05	
	(c)	Explain the blood coagulation process.	05	
