

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm- SEMESTER– I• EXAMINATION – SUMMER-2017

Subject Code: 2210004

Date: 08/06/2017

Subject Name: Human Anatomy Physiology

Time: 02:30 PM to 05:30 PM

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a) Write a short note on epithelial tissue.	06
	(b) Draw clean and neat labeled diagram of cell.	05
	(c) Differentiate between active transport and passive transport.	05
Q.2	(a) Define Homeostasis. Explain negative feedback system by giving suitable example.	06
	(b) Give functions of stomach.	05
	(c) Write a note on general functions of blood.	05
Q.3	(a) Explain the process of erythropoiesis and role of erythropoietin.	06
	(b) Write a short note on mitochondria.	05
	(c) Write a note on structure and function of bone.	05
Q.4	(a) Explain the anatomy of heart with labelled schematic diagram.	06
	(b) Draw labeled diagram of digestive system and give functions of saliva.	05
	(c) Write a note on various types of joints.	05
Q.5	(a) Discuss various phases of gastric secretion.	06
	(b) Write a note on blood groups.	05
	(c) Explain neuromuscular junction.	05
Q. 6	(a) Explain following diseases: (a) Myocardial infarction (b) Angina pectoris (c) Congestive cardiac failure (d) Ventricular fibrillation.	06
	(b) Describe composition and function of lymph.	05
	(c) Classify WBCs and write about its functions.	05
Q.7	(a) Explain cardiac cycle.	06
	(b) Define immunity. Differentiate between active and passive immunity.	05
	(c) Give the functions of liver.	05
