

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM. – SEMESTER I – • EXAMINATION – SUMMER-2018

Subject Code: BP101TP

Date: 01/05/2018

Subject Name: Human Anatomy and Physiology I

Time: 02:30PM TO 05:30PM

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) Define Homeostasis. Explain negative feedback system by giving suitable example.	06
	(b) Classify Tissues. Explain epithelial tissues in detail.	05
	(c) Write short note on protein synthesis.	05
Q.2	(a) Write in detail about the different transport mechanisms across cell membrane.	06
	(b) Explain the blood coagulation process.	05
	(c) Explain ABO system of blood.	05
Q.3	(a) Explain the anatomy of the heart with labelled schematic diagram.	06
	(b) Write a short note on cardiac cycle.	05
	(c) Define blood pressure. Write a note on renin angiotensin system.	05
Q.4	(a) Enlist different types of joints. Write a note on synovial joints.	06
	(b) Explain anatomy and physiology of spleen.	05
	(c) Explain physiology of muscle contraction.	05
Q.5	(a) Explain the process of “Cell division”	06
	(b) Write composition, function and circulation of Lymph.	05
	(c) Write a note on structure and function of bone.	05
Q. 6	(a) Draw a labeled diagram of eye-ball.	06
	(b) Describe physiology of hearing with suitable diagram.	05
	(c) Write a note on general functions of blood.	05
Q.7	(a) Explain following terms Myocardial infarction, Glaucoma, Myopia, Leukaemia, Hypertension, Arthritis	06
	(b) Draw a labeled diagram of skull showing all parts of it and explain any two bones of skull.	05
	(c) Write difference between parasympathetic and sympathetic system.	05
