

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 1- EXAMINATION –WINTER - 2018

Subject Code:2210004

Date: 09/01/2019

Subject Name: Human Anatomy Physiology

Time:10:30 AM TO 01:30 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) Classify Tissues. Explain Nervous tissue in detail.	06
	(b) Write a note on Mitochondria.	05
	(c) Explain ABO system of blood.	05
Q.2	(a) Explain in detail the process of “Erythropoiesis”	06
	(b) Explain cell cycle in brief.	05
	(c) Differentiate Cellular and Humoral immunity.	05
Q.3	(a) Discuss the digestion and absorption of nutrients from small intestine.	06
	(b) Explain negative feedback system by giving suitable example.	05
	(c) Explain Renin Angiotensin Aldosterone System and its significance.	05
Q.4	(a) Classify joints. Write a note on synovial joint.	06
	(b) Write a note on Electrocardiogram.	05
	(c) Write a note on Salivary Glands.	05
Q.5	(a) Explain in detail physiology of muscle contraction.	06
	(b) Explain the physiology of Pancreas.	05
	(c) Write a note on structure and function of bone.	05
Q. 6	(a) What is coagulation of blood? Explain the mechanism of clot formation.	06
	(b) Classify WBCs and write about its functions.	05
	(c) Classify Epithelial Tissue? Add a note on Simple Epithelium.	05
Q.7	(a) Write composition, function and circulation of Lymph.	06
	(b) Define anemia? Discuss the different types of anemia.	05
	(c) Describe the structure and functions of Lymph Node.	05
