

Seat No.: _____

Enrolment No. _____

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

Subject Code: BP101TP

Date: 01/01/2019

Subject Name: Human Anatomy and Physiology I

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)	Discuss in detail structure and Function of skin.	06
	(b)	Define Homeostasis. Write in detail about Negative Feedback mechanism.	05
	(c)	Short note on ABO system.	05
Q.2	(a)	Explain the mechanism of blood Coagulation.	06
	(b)	Classify Joint. Write in detail Synovial Joint.	05
	(c)	Draw neat and clean figure of eye with nomenclature.	05
Q.3	(a)	Write a note on physiology of Muscle Contraction.	06
	(b)	Write the detail steps of RBC synthesis.	05
	(c)	Classify Epithelial tissue. Write in detail Simple epithelium.	05
Q.4	(a)	Write in detail anatomy of Heart with Figure.	06
	(b)	Discuss in detail Composition, Circulation and Function of Lymph.	05
	(c)	Write a note on Internal Ear.	05
Q.5	(a)	Write down type, structure, composition and function of Bone.	06
	(b)	Short note on Cell Division.	05
	(c)	Explain in detail about Anemia.	05
Q. 6	(a)	Explain various phases of Cardiac cycle.	06
	(b)	Draw figure of Cell. Discuss in detail Cell membrane.	05
	(c)	Define following term with example (Any five)	05
		1. Anatomy 2. Cataract 3. Arrhythmia	
		4. Osteoporosis 5. Leukemia 6. Paracrine signaling	
Q.7	(a)	Classify Nervous system. Differentiate Sympathetic and parasympathetic nervous system.	06
	(b)	Enlist the types of Muscular tissue. Differentiate Smooth Muscle and Cardiac muscle.	05
	(c)	Short note on Electrocardiogram.	05
