

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER-I • EXAMINATION – WINTER -2022

Subject Code:BP101TP**Date: 01/04/2023****Subject Name: Human Anatomy and Physiology-I****Time: 10:30AM TO 01:30PM****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) Describe erythropoiesis.	06
	(b) Write physiology of WBC	05
	(c) Explain the process of Blood coagulation	05
Q.2	(a) Explain cardiac cycle.	06
	(b) Write a note on ECG.	05
	(c) What is blood pressure? Discuss factors affecting it	05
Q.3	(a) Write a note on physiology of hearing with suitable diagram	06
	(b) Describe the physiology of vision with suitable diagram	05
	(c) Explain physiology of balance and equilibrium	05
Q.4	(a) Write a note on structure and functions of skin.	06
	(b) Explain the physiology of Muscle contraction.	05
	(c) Write a short note on synovial joints.	05
Q.5	(a) Explain structure and function of cell membrane.	06
	(b) Write a short note on Cell cycle.	05
	(c) Classify various transport mechanism across cell membrane and write about active transport.	05
Q.6	(a) Write a short note on Nervous tissues.	06
	(b) Write about composition of bone and functions of skeleton.	05
	(c) Describe the structure and function of epithelial tissue.	05
Q.7	(a) Write a short note on Cranial Nerve	06
	(b) Write difference between Sympathetic and parasympathetic system	05
	(c) Describe structure and functions of spleen.	05
