Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

B.Ph. - SEMESTER-I • EXAMINATION – SUMMER -2022

•			e: 02/09/2022	
Time Instru 1. 2.	e: 10: ctions Atte Mak		otal Marks: 80	
Q.1	(a) (b) (c)	Define Homeostasis and describe in detail negative feedback me Differentiate sympathetic and parasympathetic nervous system Draw and label the diagram of Heart	echanism	06 05 05
Q.2	(a) (b) (c)	Describe physiology of muscle contraction Draw and label the diagram of eye Define the following terms: 1) Phagocytosis; 2) Pinocytosis; 3) Exocytosis; 4) Transcytosis; 5) Osmosis		
Q.3	(a) (b) (c)	Write a note on blood clotting Describe in detail regulation of blood pressure Enlist joints of the skeleton. Discuss types of synovial joints		06 05 05
Q.4	(a) (b) (c)	Write a short-note on cardiac cycle Discuss types of joints movements and its articulation Write a note on blood-group		06 05 05
Q.5	(a) (b) (c)	Write a note on cell-cycle Describe structure, circulation and functions of spleen Discuss in detail types of anemia and its diagnosis		06 05 05
Q. 6	(a) (b) (c)	Write a note on electrocardiogram Draw and label the diagram of skin Describe type, origin and functions of cranial nerves		06 05 05
Q.7	(a)	Explain the given terminologies: 1) Angina Pectoris 2) Congestive cardiac failure 3) Palpitation 4) Haemorrhage 5) Ductus Arteriosus 6) Cardiac arrhythmia		06
	(b) (c)	Describe physiology of hearing. Classify types of tissue and explain epithelial tissue in detail		05 05

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