

MODEL QUESTIONN PAPER					
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)					
B.E. in Biotechnology					
Course Name: HUMAN ANATOMY AND PHYSIOLOGY			Course code: BBT306B		
Third Semester BE Degree Examination Jan/Feb 2024					
Time : 3 hours			Max marks: 100		
Note : answer any FIVE full questions, choosing ONE full questions from each module					
<u>Module-1</u>					
1	a.	Define homeostasis. Outline homeostatic balance in our body.	CO1	L1	10
	b.	Explain the structure of bone with a neat diagram.	CO2	L2	10
or					
2	a.	List and explain the disorders associated with human eye.	CO1	L1	10
	b.	Illustrate the structure and function of lymphatic vessel.	CO2	L2	10
<u>Module-2</u>					
3	a.	Describe axial skeletal system.	CO1	L1	10
	b.	Outline the muscle contraction and relaxation.	CO2	L2	10
or					
4	a.	Match Cartilage and Bone.	CO1	L1	10
	b.	Summarize epithelial tissue.	CO2	L2	10
<u>Module-3</u>					
5	a.	Explain the components of Excretory system with a neat labeled structure.	CO2	L2	10
	b.	Make use of nephron diagram to learn the mechanism of urine formation.	CO3	L3	10
or					
6	a.	Explain different digestive enzymes involved in the digestion process.	CO2	L2	10
	b.	Identify the importance of saliva and teeth in digestion.	CO3	L3	10
<u>Module-4</u>					
7	a.	Develop a schematic diagram to explain the structure and function of respiratory organs.	CO3	L3	10
	b.	Analyze physiological variables affecting breathing.	CO3	L4	10
or					
8	a.	Construct schematic representation of the anatomy of heart with proper labeling.	CO3	L3	10
	b.	Make comparative study of Myocardial Infarction and Angina	CO3	L4	10
<u>Module-5</u>					
9	a.	Develop a schematic model to study nerve impulse generation and conduction	CO3	L3	10
	b.	Analyze the role of hormones secreted by thyroid and pituitary glands.	CO3	L4	10
or					
10	a.	Differentiate Endocrine from Exocrine system.	CO3	L3	10
	b.	Classify neurons based on morphology	CO3	L4	10

Course Outcomes

CO1- To describe levels of organization, homeostasis and organ systems of human body.

CO 2- To discuss structure and functions of different tissues.

CO3 – To analyze the interface between different organ systems, glands and their secretions essential for maintenance of health.