


Name:			
Enrolment No:			
<b>UPES</b> <b>End Semester Examination, December 2024</b>			
<b>Course : Remedial Biology</b> <b>Program : B. Pharm</b> <b>Course Code: BP106RBT</b> <b>Instructions: Attempt all questions.</b>		<b>Semester : I</b> <b>Duration : 1.5 Hours</b> <b>Max. Marks: 35</b>	
<b>SECTION A</b> <b>(1Qx10M=10 Marks)</b> <b>Attempt 1 out of 2</b>			
S. No.	Long answer	Marks	COs
Q1	a. Differentiate between endocrine and exocrine system (2 marks) b. Using your knowledge of the pituitary gland, analyze the role of various hormones released from pituitary gland. (5 marks) c. Demonstrate how the feedback mechanism is involved in hormone release and inhibition. (3 marks)	10	CO3
Q2	a. Draw a labelled diagram of male and female reproductive system (2.5+2.5 = 5 marks) b. List the name of hormones associated with the male and female reproductive systems. For each hormone, briefly describe its function and its role in these reproductive systems. (5 marks)	10	CO3
<b>SECTION B</b> <b>(5Qx5M=25 Marks)</b> <b>Attempt 5 out of 7</b>			
	Short answer	Marks	COs
Q1	a. Define a cell. (1 marks) b. Draw a labeled diagram of a cell. (2 marks) c. State the function of cell organelles. (2marks)	5	CO1
Q2	a. Define blood. (2 marks) b. Describe “ABO blood group” in detail. (3 marks)	5	CO1
Q3	Explain the following terms: a. Plant growth promoting factors (2.5 marks) b. Glycolysis (2.5 marks)	5	CO2
Q4	a. Draw a labeled diagram of neuron. (2 marks) b. Describe the function of various parts of neuron. (3 marks)	5	CO2
Q5	a. Define digestion and absorption. (2 marks) b. Describe detailed process involved in digestion, highlighting the key stages. Include a neat diagram to support your explanation (3 marks)	5	CO4
Q6	a. Define micturition (2 marks) b. Judge the role of central nervous system (CNS) in controlling the process of micturition, highlighting the keys steps. (3 marks)	5	CO4
Q7	a. Discuss the Renin-Angiotensin-Aldosterone System (RAAS). (2.5 marks) b. Assess the role of RAAS on regulation of blood parameters. (2.5 marks)	5	CO4

