CONTINUOUS INTERNAL EVALUATION - 1

Dept:AI,CD,CS Sem / Div: IV Sub: Biology for Computer Engineers S Code:BBOC407

Date:17/04/25 Time: 9:30-11:00 Max Marks: 50 Elective: N

Note: Answer any 2 full questions, choosing one full question from each part.

QN		Questions	Marks	RBT	CO's
		PART A			
1	a	With a neat labeled diagram explain the structure and functions of cell and cell organelles.	10	L2	CO1
	b	Describe any 4 properties and applications of nucleic acids.	8	L2	CO1
	c	Explain any 3 properties and applications of vitamins.	7	L2	CO1
		OR			
2	a	What are stem cells? Explain the classification of stem cells mentioning their properties and applications.	10	L2	CO1
	b	Describe any 4 properties and applications of carbohydrates.	8	L2	CO1
	c	Explain any 3 properties and applications of enzymes.	7	L2	CO1
		PART B			
3	a	What are Bio-plastics. List any 3 properties and applications of Poly Hydroxy Alkanoates.	7	L1	CO1
	b	Explain the engineering application of carbohydrates in designing of filters.	8	L2	CO1
	c	Explain and show eye as camera system.	10	L3	CO2
		OR			

4	a	What are enzymes? List any 3 enzymes used in food production industry and mention their roles.	7	L1	CO1
	b	Illustrate the application of Nucleic acid for production of vaccines.	8	L2	CO1
	c	With neat labeled diagram describe and show brain as a CPU system.	10	L3	CO2

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