

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
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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 |

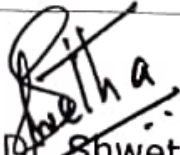
PART B

- | | | |
|---|----|--------|
| 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

Prepared by:


 Shwethambika P.




 HOD: M. Ramananda Kamath