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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 29-10-2025

Time: 02.30pm to 04.00pm

School: SAHS	Program: Bsc. Cardiac care Technology	
Course Code: CCT2101	Course Name: Biochemistry	
Semester: I (CCT)	Max Marks: 50	Weightage: 15%

CO - Levels	CO1	CO2	CO3	CO4	CO5	CO6
Marks	25	25				20

Instructions:

- (i) *Read all questions carefully and answer accordingly.*
- (ii) *Do not write anything on the question paper other than roll number.*

Part A

Answer ALL the Questions. Each question carries 2marks.

10Q x 2M=20M

1	Classify carbohydrates based on the number of sugar units.	2 Marks	L1	CO2
2	Write any two general properties of carbohydrates.	2 Marks	L1	CO2
3	What are sugar acids? Give one example.	2 Marks	L2	CO1
4	Write any two roles of carbohydrate derivatives like hyaluronic acid and chitin.	2 Marks	L1	CO2
5	Mention any two biological functions of lipids.	2 Marks	L2	CO6
6	Name two lipid-related disorders.	2 Marks	L1	CO6
7	What are simple proteins? Give one example.	2 Marks	L1	CO1
8	Write two differences between DNA and RNA.	2 Marks	L2	CO1
9	Mention any two functions of nucleic acids.	2 Marks	L2	CO1
10	Mention the importance of glycogen in animals.	2 Marks	L1	CO1

Part B

Answer any 4 Questions. Each question carries 5marks.

4Q x 5M=20M

11.	Describe the classification of lipids with suitable examples.	5 Marks	L2	CO6
12.	Define glycolysis with neat diagramme.	5 Marks	L2	CO6
13.	Discuss the different levels of protein structure with suitable examples.	5 Marks	L3	CO6
14.	Kreb's cycle	5 Marks	L2	CO1
15.	Describe the biological functions of carbohydrates in living organisms.	5 Marks	L2	CO6
16.	Discuss the structure and importance of Monosaccharides and disaccharides.	5 Marks	L2	CO1

Part C

Answer the Questions

1Q x 10M=10M

	Describe the structure, properties, and importance of polysaccharides such as starch, glycogen, cellulose, and chitin. Include derivatives of monosaccharides.	10 Marks	L1	CO1
Or				
17.	Explain the classification of carbohydrates with suitable examples and discuss their biological functions in living organisms.	10 Marks	L1	CO1