



Roll No.

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	C01	C02	C03	C04	C05	C06
Marks	25	25				20

Instructions:

- Read all questions carefully and answer accordingly.
- 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	C02
2	Write any two general properties of carbohydrates.	2 Marks	L1	C02
3	What are sugar acids? Give one example.	2 Marks	L2	C01
4	Write any two roles of carbohydrate derivatives like hyaluronic acid and chitin.	2 Marks	L1	C02
5	Mention any two biological functions of lipids.	2 Marks	L2	C06
6	Name two lipid-related disorders.	2 Marks	L1	C06
7	What are simple proteins? Give one example.	2 Marks	L1	C01
8	Write two differences between DNA and RNA.	2 Marks	L2	C01
9	Mention any two functions of nucleic acids.	2 Marks	L2	C01
10	Mention the importance of glycogen in animals.	2 Marks	L1	C01

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	C06
12.	Define glycolysis with neat diagramme.	5 Marks	L2	C06
13.	Discuss the different levels of protein structure with suitable examples.	5 Marks	L3	C06
14.	Kreb's cycle	5 Marks	L2	C01
15.	Describe the biological functions of carbohydrates in living organisms.	5 Marks	L2	C06
16.	Discuss the structure and importance of Monosaccharides and disaccharides.	5 Marks	L2	C01

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	CO 1
Or				
17.	Explain the classification of carbohydrates with suitable examples and discuss their biological functions in living organisms.	10 Marks	L1	CO 1