



# PRESIDENCY UNIVERSITY

BENGALURU

Roll No.																			
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## Mid - Term Examinations - MARCH 2026

Date: 10-03-2026

Time: 09:30am - 11:00am

<b>School:</b> SOCSE	<b>Program:</b> B.Tech. in Computer Science and Technology. (BIG DATA)		
<b>Course Code:</b> CBD2510	<b>Course Name:</b> No SQL Databases		
<b>Semester:</b> VI	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%	

CO - Levels	C01	C02	C03	C04	C05
Marks	24	26	-	-	-

### 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.

5Q x 2M=10M

1	Indicate the limitations of traditional DBMS	2 Marks	L2	C01
2	Interpret Concurrency and Integration	2 Marks	L2	C01
3	Review schema-less database system.	2 Marks	L2	C02
4	Infer Naming in document databases and give an example.	2 Marks	L2	C02
5	Interpret replication in document database.	2 Marks	L2	C02

## Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain BASE property with proper example for each property	10 Marks	L2	CO1
<b>Or</b>					
7.	a.	Describe sharding and explain all the methods in detail	10 Marks	L2	CO1
<b>Or</b>					
8.	a.	Explain the Key-Value Data Model, Columnar Data Model and Graph Data Model.	10 Marks	L2	CO1
<b>Or</b>					
9.	a.	Describe the NoSQL emergence and its main features in detail.	10 Marks	L2	CO1
<b>Or</b>					
10.	a.	Explain the characteristics of the Document Data Model.	10 Marks	L3	CO2
<b>Or</b>					
11.	a.	Describe Querying mechanisms in document databases and explain different types of queries with examples.	10 Marks	L3	CO2
<b>Or</b>					
12.	a.	Apply CURB operation for the Database: college database Collection: students in NoSQL database.	10 Marks	L3	CO2
<b>Or</b>					
13.	a.	Explain Update Consistency, Read Consistency and Relaxing Consistency with proper example.	10 Marks	L3	CO2