



# PRESIDENCY UNIVERSITY

BENGALURU

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

Date: 10 - 03- 2026

Time: 02:00pm - 03:30pm

<b>School:</b> SOCSE	<b>Program:</b> Big Data		
<b>Course Code:</b> CBD2500	<b>Course Name:</b> Cloud Computing for Big Data		
<b>Semester:</b> IV	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%	

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

### 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	Define Cloud Computing?	2 Marks	L1	CO1
2	What is usage-based pricing?	2 Marks	L1	CO1
3	Define a virtual machine?	2 Marks	L1	CO2
4	What is server consolidation?	2 Marks	L1	CO2
5	What is pay-as-you-use pricing model?	2 Marks	L1	CO1

## Part B

**Answer the Questions.**

**Total Marks 40M**

6.	a.	Explain Cloud Computing architecture with a neat diagram.	10 Marks	L2	CO1
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**Or**

7.	a.	Explain the major challenges and issues in cloud computing.	10 Marks	L2	CO1
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8.	a.	Explain the different cloud deployment models with suitable examples.	10 Marks	L2	CO1
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**Or**

9.	a.	Explain the features and benefits of cloud computing.	10 Marks	L2	CO1
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10.	a.	Explain the working of a hypervisor with a neat diagram.	10 Marks	L2	CO2
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**Or**

11.	a.	Explain Kubernetes and describe its role in container orchestration.	10 Marks	L2	CO2
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12.	a.	Explain the need, advantages, and disadvantages of virtualization.	10 Marks	L2	CO2
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**Or**

13.	a.	Explain hardware (server) virtualization in detail.	10 Marks	L2	CO2
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