



# PRESIDENCY UNIVERSITY

BENGALURU

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

Date: 14 -03-2026

Time: 09.30am to 11.00am

<b>School:</b> SOCSE	<b>Program:</b> B.Tech		
<b>Course Code:</b> CSE2285	<b>Course Name:</b> Cloud computing		
<b>Semester:</b> VI	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%	

CO - Levels	C01	C02	C03	C04	C05
Marks	24	26	0	0	0

### 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	List the five essential characteristics of cloud computing.	2 Marks	L1	C01
2	State the purpose of Service Level Agreements (SLAs).	2 Marks	L1	C01
3	State the function of a Cloud Broker.	2 Marks	L1	C02
4	Define the purpose of a Cloud Auditor.	2 Marks	L1	C02
5	Define Infrastructure as a Service (IaaS).	2 Marks	L1	C02

## Part B

Answer the Questions.

Total Marks 40M

6.	a.	Analyze the limitations of traditional IT infrastructure and justify how cloud computing addresses them.	10 Marks	L4	CO1
<b>Or</b>					
7.	a.	Analyze the key elements and core characteristics of cloud computing with suitable examples.	10 Marks	L4	CO1
<b>Or</b>					
8.	a.	Analyze architectural principles such as statelessness, horizontal scalability, and resilience in cloud systems.	10 Marks	L4	CO1
<b>Or</b>					
9.	a.	Explain the benefits and challenges of cloud computing and identify mitigation strategies.	10 Marks	L4	CO1
<b>Or</b>					
10.	a.	Explain the concept of multitenancy and its significance in cloud computing.	10 Marks	L2	CO2
<b>Or</b>					
11.	a.	Explain virtualization and its importance in cloud computing.	10 Marks	L2	CO2
<b>Or</b>					
12.	a.	Differentiate between Type 1 and Type 2 hypervisors with examples.	10 Marks	L4	CO2
<b>Or</b>					
13.	a.	Analyze containers and virtual machines with respect to performance, isolation, and use cases.	10 Marks	L4	CO2