



PRESIDENCY UNIVERSITY

BENGALURU

Roll No.																			
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Mid - Term Examinations - MARCH 2026

Date: 10 - 03- 2026

Time: 02:00pm - 03:30pm

School: SOIS	Program: BCA-DS		
Course Code: CSA2509	Course Name: Data management Using Cloud		
Semester: IV	Max Marks: 50	Weightage: 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	Define cloud computing.	2 Marks	L1	C01
2	What is Platform as a Service (PaaS)?	2 Marks	L1	C01
3	Define task computing.	2 Marks	L1	C02
4	What is Data-Intensive Computing (DIC)?	2 Marks	L1	C02
5	What is Aneka?	2 Marks	L1	C02

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Describe IaaS, PaaS, and SaaS with examples and benefits.	10 Marks	L2	CO1
Or					
7.	a.	Explain cloud computing and its key characteristics in detail.	10 Marks	L2	CO1

8.	a.	Explain the steps involved in building cloud computing environments.	10 Marks	L3	CO1
Or					
9.	a.	Explain virtualization, its types, and benefits.	10 Marks	L2	CO1

10.	a.	Describe the architecture and working of task computing systems.	10 Marks	L3	CO2
Or					
11.	a.	Explain MPI applications, architecture, and communication mechanisms.	10 Marks	L2	CO2

12.	a.	Explain data-intensive computing architecture and characteristics	10 Marks	L2	CO2
Or					
13.	a.	Discuss technologies used for data-intensive computing.	10 Marks	L3	CO2