



PRESIDENCY UNIVERSITY

BENGALURU

Roll No.														
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Mid - Term Examinations – October 2025

Date: 07-10-2025

Time: 09.30am to 11.00am

School: SOCSE	Program: B.Tech (CSE)	
Course Code: CSE3509	Course Name: Emerging Technologies in Big Data	
Semester: V	Max Marks: 50	Weightage: 25%

CO - Levels	C01	C02	C03	C04	C05
Marks	46	44			

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	Describe big data.	2 Marks	L1	C01
2	List applications of big data.	2 Marks	L1	C01
3	Describe YARN.	2 Marks	L1	C01
4	Outline features of Sqoop.	2 Marks	L1	C02
5	List data types in Hive.	2 Marks	L1	C02

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain Anatomy of File Read.	10 Marks	L2	CO 1
Or					
7.	a.	Summarize history of Hadoop.	10 Marks	L2	CO 1

8.	a.	Consider a Weather dataset. The temperatures for the years 1950 and 1949 are given below: (1950,0), (1950,22), (1950, -11), (1949,111), (1949,78) Apply reduce function to find the maximum temperature.	10 Marks	L2	CO1
Or					
9.	a.	Explain steps for installation of Hadoop single node cluster configuration.	10 Marks	L2	CO1

10.	a.	Explain architecture of Sqoop.	10 Marks	L2	CO 2
Or					
11.	a.	Explain table partitioning and bucketing in Hive.	10 Marks	L2	CO 2

12.	a.	Explain Hive architecture.	10 Marks	L2	CO 2
Or					
13.	a.	Explain Sqoop and its features.	10 Marks	L2	CO 2