

Roll No.: _____

Amrita Vishwa Vidyapeetham
Amrita School of Engineering, Coimbatore
B.Tech. Degree Examinations – November/December 2021
Eighth Semester(Fast Phase)
Computer Science and Engineering
15CSE334 Big Data Analytics - Lab Assessment

Duration: One hour

Maximum Marks: 24

Course Outcomes (COs):

CO	Course Outcomes
CO01	Understand fundamental concepts of Big Data and its technologies
CO02	Apply concepts of Map Reduce framework for optimization.
CO03	Analyze appropriate No SQL database techniques for storing and processing large volumes of structured and unstructured data.
CO04	Apply data analytics solutions using Hadoop ecosystems
CO05	Explore tools for machine learning and reporting

05/1/2022

Evaluation Rubrics

SNo.	Checkpoints	Marks Allotted
	Hive	
1a)	Loading the dataset and displaying	2
1b) - f)	Queries	5*2 = 10
	MongoDB	
2a)	Loading the Data and Display	2
2b) - f)	Queries	5*2 = 10

SET 2

1.

Write Queries in HIVE for **BOOKS** table given below.

[12] [CO4][BTL4]

BID	Title	Authors	Cost	Cat
1	c++	jim, harry	200	Prog
2	java	Ham ,willy	340	Prog
3	python	Jerry, joe	1200	Prog
4	physics	Sainath, hari	450	Sci
5	machines	gurunath	670	Elec
6	vectors	floyd	1200	Sci
7	elecfund	Devi, kanth	580	Elec

- Create the table and load the data
- Count the number of books in the table
- Display all books that have their name starting with 'C'
- count the number of books in each category
- Find the total of cost of books in each category
- Store the Table in RC Format

2. Write Queries in MONGODB for **shopping table** given below.

[12] [CO3][BTL4]

PID	Pname	Cost	Discount	Payment
1	Pendrive	3000	20	COD
2	Phone	12000	10	CRE
3	Watch	8000	12	CRE
4	Belt	400	15	COD
5	Shirt	2000	18	CRE
6	TShirt	1200	12	COD
7	Mouse	600	5	CRE
8	Bag	800	20	COD

- Create the table and insert records into the table
- Display name and cost of each product
- Display all products that have discount > 15%
- List three products that have the highest discount
- Update product name phone change cost to 10200
- Find the total amounts earned in COD and CRE