CMR COLLEGE OF ENGINEERING & TECHNOLOGY
(UGC AUTONOMOUS)
B.Tech VI Semester Regular Examinations May-2023
Course Name: BIG DATA ANALYTICS
(Minor Programme in Data Science)

Date: 19.05.2023 AN	Time: 3 hours	Max.Marks: 70

(Note: Assume suitable data if necessary)

PART-A
Answer all TEN questions (Compulsory)
Each question carries TWO marks.   10x2=20M

1.	Explain some of the applications of Big Data.	2 M
2.	Write the importance of Big Data.	2 M
3.	Identify daemons are used to store data in HDFS.	2 M
4.	What mean by fault-tolerance in Hadoop?	2 M
5.	Describe Map Reduce in briefly.	2 M
6.	Define Shuffle and Sort terms in MapReduce.	2 M
7.	Write about introduction of HBase.	2 M
8.	Write the features of Cassandra.	2 M
9.	Define Hive? Write the purpose of Hive.	2 M
10.	List out the various data types used in Hive.	2 M

PART-B
Answer the following. Each question carries TEN Marks.   5x10=50M

11.A).	Explain the Evolution of Big Data and their characteristics.	10M
	OR	
11. B).	List the Classification of No SQL Databases and explain about columns based database.	10M
12. A).	Illustrate the Hadoop core components with neat diagram.	10M
	OR	
12. B).	Explain HDFS Architecture with neat sketch.	10M
13. A).	What is Map Reduce? Explain it with simple example?	10M
	OR	
13. B).	Describe Hadoop Eco System with neat diagram.	10M
14. A).	Explain Row-Oriented vs Column -Oriented data stores.	10M
	OR	
14. B).	Explain about HBase Architecture.	10M
15. A).	Discuss Hive architecture with neat diagram.	10M
	OR	
15. B).	Explain the procedure of loading the data into tables in Hive.	10M

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