

Code No: R20A0520

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

III B.Tech II Semester Regular/Supplementary Examinations, June 2024**Big Data Analytics
(CSE-DS & CSE-IOT)**

Roll No									

Time: 3 hours**Max. Marks: 70**

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing **ONE** Question from each SECTION and each Question carries 14 marks.

			BCLL	CO(s)	Marks
<u>SECTION-I</u>					
1	A	List and explain Characteristics of data.	L2	CO-I	[7M]
	B	Illustrate Big Data Analytics in detail.	L4	CO-I	[7M]
OR					
2	A	Analyze the reason behind why do we need big data?	L4	CO-I	[7M]
	B	Identify the sources of digital data.	L1	CO-I	[7M]
<u>SECTION-II</u>					
3	A	Explain Hadoop distributed file system architecture with a neat sketch.	L2	CO-II	[7M]
	B	Compare and contrast Hadoop 1 and Hadoop 2.	L5	CO-II	[7M]
OR					
4	A	Compare and contrast SQL and RDBMS	L2	CO-II	[9M]
	B	List out and explain the design Principles of HADOOP	L3	CO-II	[5M]
<u>SECTION-III</u>					
5	A	Illustrate Processing data with Hadoop using MapReduce.	L4	CO-II	[7M]
	B	List and explain the applications of Hadoop YARN.	L2	CO-II	[7M]
OR					
6	A	What are the features and types of NoSQL? Explain	L2	CO-III	[7M]
	B	Illustrate the overview of NewSQL.	L4	CO-III	[7M]
<u>SECTION-IV</u>					
7	A	Explain Features of MongoDB in detail.	L2	CO-IV	[7M]
	B	Explain Data types and Features of Cassandra.	L2	CO-IV	[7M]
OR					
8	A	Demonstrate about CRUD operations in MongoDB	L4	CO-IV	[9M]
	B	Explain about import and export operations in Cassandra.	L3	CO-IV	[5M]
<u>SECTION-V</u>					
9	A	Differentiate MapReduce and Spark Frameworks.	L4	CO-IV	[7M]
	B	Discuss about Apache spark in detail.	L2	CO-IV	[7M]
OR					
10	A	Write short notes on Hadoop Framework.	L2	CO-IV	[7M]
	B	Illustrate Apache Spark Framework Architecture with a neat sketch.	L4	CO-IV	[7M]
