Code No: **R20A0520**

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
IV B.Tech I Semester Supplementary Examinations, April 2025
Big Data Analytics
(CSE, IT & CSE-AIML)

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.

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			BCLL	CO(s)	Marks
SECTION-I					
1	A	Explain sources of data.	**L2**	**CO-I**	**[7M]**
	B	What are the needs of Big Data.	**L1**	**CO-I**	**[7M]**
		OR			
2	A	Write short notes on Business Intelligence.	**L1**	**CO-I**	**[7M]**
	B	Discuss about Big Data Analytics.	**L2**	**CO-I**	**[7M]**
SECTION-II					
3	A	Compare Hadoop with SQL	**L4**	**CO-II**	**[7M]**
	B	Compare SQL with NewSQL.	**L4**	**CO-II**	**[7M]**
		OR			
4		Draw and explain Hadoop Architecture.	**L2**	**CO-II**	**[14M]**
SECTION-III					
5		Draw and explain YARN Architecture.	**L2**	**CO-III**	**[14M]**
		OR			
6		Explain features and types of Big data databases.	**L2**	**CO-III**	**[14M]**
SECTION-IV					
7	A	Explain functions of MongoDB.	**L2**	**CO-IV**	**[7M]**
	B	Explain CRUD operations with Cassandra.	**L2**	**CO-IV**	**[7M]**
		OR			
8	A	Write short notes on MongoDB Arrays.	**L1**	**CO-IV**	**[7M]**
	B	Write short notes on collections of cassandra.	**L1**	**CO-IV**	**[7M]**
SECTION-V					
9		Discuss about pipelining Map Reduce jobs.	**L2**	**CO-V**	**[14M]**
		OR			
10		Explain about Data Frame.	**L2**	**CO-V**	**[14M]**

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