SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA II Year II Semester Regular & Supplementary Examinations June/July-2025
BIG DATA ANALYTICS

Time: 3 Hours **Max. Marks: 60**

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

1	a	Discuss about intelligent data analysis and nature of data.	CO1	L2	6 M
	b	What are the different inferences in big data analytics?	CO1	L1	6 M

OR

2	Define and explain the following.	CO1	L2	12 M

i)   Intelligent Data Analysis   ii) Analysis Vs Reporting.

UNIT-II

3	a	Clearly, explain the stream model and architecture.	CO1	L2	6 M
	b	Define about stock market predictions.	CO5	L1	6 M

OR

4	a	What is Real Time Analytics? Discuss about RTAP applications.	CO5	L2	6 M
	b	Generalize stream concepts in big data analytics.	CO1	L2	6 M

UNIT-III

5	Explain the following	CO3	L3	12 M

i)   History of Hadoop. ii) Task Execution

OR

6	a	List and explain different failures in Map reduce.	CO4	L2	6 M
	b	Briefly explain about shuffling and sorting.	CO3	L2	6 M

UNIT-IV

7	a	What is Cluster? Explain the setting up a Hadoop cluster.	CO3	L1	6 M
	b	Outline the concept of Hadoop configuration file system.	CO3	L4	6 M

OR

8	Express the steps in installing Hadoop Cluster	CO3	L2	12 M

UNIT-V

9	a	Discuss about the applications on big data using pig & hive.	CO5	L2	6 M
	b	What are the fundamentals of HBase and Zookeeper?	CO5	L1	6 M

OR

10	a	What are the different types of big data applications?	CO5	L1	6 M
	b	What is HiveQL? Explain its features.	CO5	L2	6 M

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