SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA II Year II Semester Regular & Supplementary Examinations May/June-2024
BIG DATA ANALYTICS

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

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

UNIT-I

1	a	Discuss about intelligentdata analysis and nature of data.	CO1	L2	6M
	b	Explain types of Data in Big Data Analytics.	CO1	L2	6M

OR

2	a	What is sampling and sampling distribution give a detailed analysis.	CO1	L4	6M
	b	Clearly explain about modern data analytic tools.	CO1	L2	6M

UNIT-II

3		Demonstrate the counting of ones in a window using DGIM algorithm with an example.	CO2	L2	12M

OR

4	a	What is Real Time Analytics? Discuss about RTAP applications.	CO2	L2	6M
	b	Illustrate Real Time Sentiment Analysis in real time analytics platform.	CO2	L3	6M

UNIT-III

5		Discuss in detail designing of HDFS.	CO3	L2	12M

OR

6	a	How map reduce job works with classic MapReduce?	CO3	L1	6M
	b	Describe job scheduling.	CO3	L2	6M

UNIT-IV

7		Briefly discuss about Monitoring and maintenance in Hadoop systemadministration.	CO4	L2	12M

OR

8	a	Discuss in detail benchmarking in Hadoop.	CO4	L2	6M
	b	What are the security issues that may arise in the hadoop environment?Explain.	CO4	L3	6M

UNIT-V

9	a	What is PIG? and explain the process steps.	CO5	L2	6M
	b	Explain two execution types or modes in PIG.	CO5	L2	6M

OR

10	a	Explain in detail IBM infosphere Big insights and Streams.	CO5	L2	6M
	b	What are the fundamentals of HBase and Zookeeper?	CO5	L2	6M

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