PRN:		Course Code :	PCA457

Second Year **MCA** End Semester Examination Summer 2024

BIG DATA ANALYTICS

Day and Date: 24 MAY 2024 friday | Max Marks: **100**

Time : 10.30am to 1.30PM | Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Write advantages and disadvantages of big data?	08	L1	C01
	b)	Write applications of big data?	08	L1`	C01
		OR			
	b)	What is Hadoop ?Explain in detail history of Hadoop.	08	L1	C01
Q.2		**Attempt the following**			
	a)	Write features and goals of HDFS?	08	L1	C01
	b)	Describe HDFS in detail.	08	L2	C02
		OR			
	b)	Discuss different HDFS commands with its description and syntax.	08	L3	C03
Q.3		**Attempt the following**			
	a)	Explain shuffle and sort in detail.	08	L2	C03
	b)	Discuss in brief map reduce framework.	08	L3	C01
	c)	Explain in detail different types of output format in map reduce.	08	L2	C03
Q.4		**Attempt any two from the following**			
	a)	What is pig?Explain different modes in pig.	08	L1	C02
	b)	What is pig latin? Explain in detail data processing operators.	08	L1	C02
	c)	Distinguish between pig with database.	08	L4	C04
Q.5		**Attempt any Two of the following**			
	a)	Compare HIVE with traditional database.	09	L3	C02
	b)	Define user defined functions from hive?	09	L1	C01
	c)	What is HIVE? Explain HIVE architecture in detail.	09	L1	C02
Q.6		**Attempt any Two of the following**			
	a)	Explain supervised learning with example.	09	L2	C02
	b)	What is collaborative filtering? Explain types of collaborative filtering in detail.	09	L1	C02
	c)	Discuss Big Data Analytics with BigR	09	L3	C04

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