PRN:		Course Code :	**BCA210**

Second Year **B.C.A.** End Semester Examination Winter 2024

Unstructured database

Day and Date: 31 MAY 2024, Friday Max Marks: **100**

Time : 02:00PM To 05:00PM Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Describe types of NOSQL databases.	08	L2	CO1
	b)	Explain attacks of the clusters	08	L2	CO1
		OR			
	b)	What is distributed data processing explain with example	08	L2	CO1
Q.2		**Attempt the following**			
	a)	Difference between relational databases and no SQL databases	08	L4	CO2
	b)	What is storage layout query model	08	L2	CO2
		OR			
	b)	Define sharding . Explain sharding in detail	08	L1	CO3
Q.3		**Attempt any two from the following**			
	a)	Explain map reduce function with example	08	L2	CO2
	b)	Discuss atlas database in detail.	08	L2	CO3
	c)	Difference between data centric and client centric	08	L4	CO2
Q.4		**Attempt any two from the following**			
	a)	Describe architecture of Cassandra with diagram	08	L2	CO3
	b)	Discuss CQL in detail.	08	L2	CO3
	c)	Describe graph database. Consistency & transactions	08	L2	CO3
Q.5		**Attempt any Two of the following**			
	a)	Describe NEO4j data model	09	L2	CO4
	b)	Write query for CRUD operation in mongo DB for student database(take any table)	09	L3	CO4
	c)	Explain ACID properties with respect to DBMS	09	L2	CO5

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Q.6	**Attempt any Two of the following**				
	a)	Explain NEO4j data model.	09	L2	CO5
	b)	Describe documents ,collection & indexing in MONGODB.	09	L2	CO6
	c)	What is graph database? Give its features.	09	L2	CO6

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