PRN:	

Course Code	**BCA210**

000696

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

Unstructured database

Day and Date: Mon 25 NOV 2024 Max Marks: **100**

Time : 10:30AM To 01.30PM Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Compare RDBMS with NOSQL databases.	08	L2	CO1
	b)	Explain attacks of the clusters	08	L2	CO1
		OR			
	b)	Explain CRUD operation on employee database	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	L1	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)	Describe architecture of Cassandra with diagram	08	L4	CO3
	c)	Difference between data centric and client centric	08	L4	
Q.4		**Attempt any two from the following**			
	a)	Explain distribution aspects security & authentication.	08	L2	CO3
	b)	Discuss CQL in detail	08	L6	CO3
	c)	Describe graph database. Consistency & transactions	08	L4	CO3
Q.5		**Attempt any Two of the following**			
	a)	Describe MONGODB in detail	09	L4	CO4
	b)	Write query for CRUD operation in mongo DB for student database(take any table	09	L5	CO4
	c)	Explain distributed data processing via map reduce	09	L2	CO5
Q.6		**Attempt any Two of the following**			

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a)	Explain NEO4j data model	09	L2	CO5
b)	Discuss NOSQL database development tool	09	L6	CO6
c)	Differentiate graph database & Cassandra database.	09	L4	CO6

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