

CBCS SCHEME

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22MCA335

Third Semester MCA Degree Examination, June/July 2024

NOSQL

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.*

Module – 1				M	L	C
Q.1	a.	Define NOSQL. Explain different types of NOSQL databases with example.	10	L2	CO1	
	b.	Write a sample Java program to convert MongoDB.	10	L2	CO1	
OR						
Q.2	a.	Explain the following : i) Scalability ii) MapReduce.	10	L2	CO1	
	b.	Explain storing data in and Accessing data from Redis using data type sets.	10	L2	CO1	
Module – 2						
Q.3	a.	Explain HBase Distributed storage Architecture with neat diagram.	10	L3	CO2	
	b.	Describe create, read, update and delete operation in MongoDB with example.	10	L3	CO2	
OR						
Q.4	a.	Briefly explain schema-less Flexibility? Explain process of exporting and importing data from and into MongoDB.	10	L3	CO2	
	b.	Explain indexing and ordering in MongoDB.	10	L3	CO2	
Module – 3						
Q.5	a.	Briefly explain Google App Engine Data Stores.	10	L3	CO2	
	b.	Explain HIVE Basics.	10	L3	CO2	
OR						
Q.6	a.	Explain Amazon simple DB and explain different commands for managing simple DB domain.	10	L3	CO2	
	b.	Explain GOOD OLD SQL with HIVE.	10	L3	CO2	
Module – 4						
Q.7	a.	With a neat diagram, explain MongoDB wire protocol and its various operations.	10	L2	CO3	
	b.	Explain usage of Rails framework with NOSQL.	10	L2	CO3	
OR						
Q.8	a.	Explain membase Architecture with neat diagram.	10	L2	CO3	
	b.	Explain Migrating from RDBMS to NOSQL.	10	L2	CO3	
Module – 5						
Q.9	a.	Define the steps involved in developing web application with NOSQL.	10	L2	CO4	
	b.	Explain PHP and MongoDB with example.	10	L2	CO4	
OR						
Q.10	a.	Explain NOSQL Administration.	10	L2	CO4	
	b.	Explain Python and MongoDB.	10	L2	CO4	
