LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – **DATA SCIENCE**

THIRD SEMESTER – **NOVEMBER 2022**

PDS 3302 – NO SQL

Date: 30-11-2022   Dept. No.   Max. : 100 Marks
Time: 09:00 AM - 12:00 NOON

PART – A		
Q. No	**Answer ALL Questions**	**(10 x 2 = 20 Marks)**
1	Compare SQL and NOSQL.	
2.	List the Applications of NOSQL data base.	
3	What are applications of neo4j?	
4	What is sharding?	
5	List down advantages of key value database.	
6	What is document based model?	
7	What is CQL?	
8	What is super column?	
9	What is key space?	
10	What is ss table?	

PART – B		
	Answer FIVE Questions	**(5 x 8 = 40 Marks)**
11	a) Explain the types of NOSQL database in detail?	
	Or	
	b) How the relational data base is store persistent data and explains?	
12	a) Describe key value database in detail.	
	Or	
	b) What is column database, explain the features of it.	
13	A) Explain mongodb database and features in detail.	
	Or	
	b) What are the strength and weakness of document based database.	
14	a) How do query column family database with example?	
	Or	
	b)Explain content based management system using column family	
15	a) What is key value store db and explain its features?	
	Or	
	b) Compare Cassandra, neo4j, Mongodb and Hbase.	

PART – C		
	Answer any TWO Questions	**(2 x 20 = 40 Marks)**
16	a) What is the need of Nosql or emergency of Nosql.	
	b) Discribe distributions models in detail.	
17	a) Explain document db in detail.	
	b) Explain column family features in detail.	
18	a) Write a graph database features in detail.	
	b) Explain Suitable Use Cases for graph database Model.	

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