

Reg.No



SNS COLLEGE OF TECHNOLOGY

(Autonomous)

A

MCA- Internal Assessment –III (December 2022)

Academic Year 2022-2023(ODD) / First Semester

19CAE730 NOSQL Database System

Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

		CO	BL
1	What is a key value store?	CO4	R
2	Define Query by data.	CO4	U
3	List out the Features of Key value Store database.	CO4	U
4	Recall Cypher.	CO5	R
5	Brief about Markov Chain.	CO5	U

PART - B (2 x 13 = 26 Marks)

6	(a) Elaborate the NoSQL database development tool and programming language. (Or)	C4	AN
	(b) Compare Relational and Graph Modeling in detail.	CO5	AN
7	(a) Explain the Graph NoSQL databases using Neo4. (Or)	CO4	U
	(b) Summaries the Graph Data Model with neat diagram	CO5	U

PART – C (1 X 14 = 14 Marks)

8	(a) Analysis the Information Retails of Link analysis Database. (Or)	CO4	AN
	(b) Analysis Link analysis algorithm with real time examples.	CO5	AN

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PART - A (5 x 2 = 10 Marks)

- | | | CO | BL |
|---|---|-----|----|
| 1 | Define the Multi operation Transaction. | CO4 | U |
| 2 | What is mean by Consistency? | CO4 | U |
| 3 | What is Graph database? | CO4 | U |
| 4 | List out the type of graph Data Model. | CO5 | AN |
| 5 | Define the Citation Analysis. | CO5 | R |

PART - B (2 x 13 = 26 Marks)

Elaborate the following terms in detail

- | | | | |
|---|---|-----|----|
| 6 | (a) 1. User Profiles, 2. Preferences, 3. Shopping Cart Data, and 4. Relationships among Data.
(Or) | CO4 | U |
| | (b) Explain the Property of Graph Model Graph Analytics. | CO5 | U |
| 7 | (a) Discover the suitable use cases of Key-value stores.
(Or) | CO4 | AN |
| | (b) Discussed the PageRank of the Link Analysis Algorithm. | CO5 | AN |

PART – C (1 X 14 = 14 Marks)

- | | | | |
|---|--|-----|----|
| 8 | (a) Examine the Key-value Databases.
(Or) | CO4 | AN |
| | (b) Identify the Real time Graph database Applications in Data modeling. | CO5 | AN |

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Answer All Questions

PART - A (5 x 2 = 10 Marks)

- | | | CO | BL |
|---|---|-----|----|
| 1 | Define the Multi operation Transaction. | CO1 | U |
| 2 | What is mean by Consistency? | CO1 | U |
| 3 | What is Graph database? | CO1 | U |
| 4 | List out the type of graph Data Model. | CO2 | AN |
| 5 | Define the Citation Analysis. | CO2 | R |

PART - B (2 x 13 = 26 Marks)

Elaborate the following terms in detail

- | | | | |
|---|---|-----|----|
| 6 | (a) 1. User Profiles, 2. Preferences, 3. Shopping Cart Data, and 4. Relationships among Data.
(Or) | CO4 | U |
| | (b) Explain the Property of Graph Model Graph Analytics. | CO5 | U |
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