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| **Register No.** |  |  |  |  |  |  |  |  |  |  |

**SET A**

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY FACULTY OF ENGINEERING & TECHNOLOGY SCHOOL OF COMPUTING

Cycle Test – III

Academic Year: 2023-2024

Program : M.Tech Int - DS

Course Code and Title : 21CSE373T – Streaming Analytics

Year / Sem: III/VI Max. Marks: 10

Duration : 20 mins Date of Exam: 02-05-2024

|  |  |  |
| --- | --- | --- |
| **Course Learning Outcomes (CO):** | | *At the end of this course, learners will be able to:* |
| CO-1: | *illustrate the concepts and terminologies in stream processing* | |
| CO-2: | *Interpret stream processing applications using Apache Spark Streaming* | |
| CO-3: | *Summarize real-time streaming data pipelines and applications that adapt to the data streams using Kafka* | |
| CO-4: | *Interpret stream processing applications using Apache Storm Streaming* | |
| CO-5: | *inquire real time data using NoSQL databases & MongoDB* | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question No.** | **Reference to Outcome** | **Marks Allotted (Total 10)** | **Marks Scored** | **Outcomes Met**  **Yes / No** |
| 1 | 5 | 5 |  |  |
| 2 | 5 | 5 |  |  |

Faculty Name: Signature:

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

**Set A**

FACULTY OF ENGINEERING & TECHNOLOGY SCHOOL OF COMPUTING

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PART – A

Answer **both the** questions 2 **X 5 = 10 Marks**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No** | **Question** | **CLO** | **Bloom’s Taxonomy** | **Marks** |
| 1 | Enumerate and brief in max 3 sentences on any two prominent features of Amazon DynamoDB cloud NoSQL database. Write code snippets to create and list tables in a DynamoDB database. | 5 | L3 | 5 |
| 2 | Summarize on the use of replication and sharding in MongoDB database. Discuss about how these are implemented and the details/steps of the two techniques. | 5 | L3 | 5 |