JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Sem: VII

Course Code: 18CS72

Course Name: Big Data Analytics[18CS72]

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**QUESTION BANK**

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|  | **MODULE-3** |
| **1** | How does CAP theorem hold in NoSQL databases? |
| 2 | How do ACID and BASE properties differ? |
| 3 | List the characteristics of NoSQL data store. |
| 6 | Explain the characteristics of Schema less Model |
| 5. | Explain the following NoSQL Data Architecture patterns with suitable example   1. Key value store 2. Document store 3. Tabular Data 4. Object Data store 5. Graph database |
| 6 | Compare NoSQL data stores with SQL databases. |
| 7. | What is shared nothing architecture? Explain the different types of distribution models with neat diagram. |
| 8. | Explain the different ways of handling big data problems. |
| 9. | Explain the features of MongoDB. |
| 10. | Compare MongoDB with RDBMS |
| 11. | Give example that demonstrates the uses of various data types of MongoDB |
| 12. | List the functions of MongoDB query language and database commands |
| 13. | List the features of Cassandra |
| 14. | Explain the components of Cassandra and their uses. |
| 15. | List out the data types built into Cassandra, their usage and description |
| 16. | List the differences between Cassandra, Google big Table and Hbase data models |
| 17. | Compare Cassandra and RDBMS |
| 18. | With syntax explain how to create keyspace in Cassandra state when the ALTER keyspace is used |
| 19. | How Cassandra CQL collection used. |