JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Sem: VII

Course Code: 18CS72

Course Name: Big Data Analytics[18CS72]

Faculty: Snehalatha N

**QUESTION BANK**

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|  | **MODULE-4** |
| **1** | With a neat diagram explain the Map Reduce Programming model. |
| 2 | How does the data convert to (key, value) pairs before passing to the Mapper? How do the InputSplit and RecordReader function. |
| 3 | How are the failures of Map Tas Tracker, Reduce Task Tracker and Master Job Tracker handled in MapReduce? |
| 4 | Explain the function of Group By, Partitioning and combining using one example for each. |
| 5. | With a neat diagram, explain in details the Map Reducing steps with suitable example and algorithm |
| 6 | How does MapReduce program implement counting, filtering and parsing |
| 7. | With suitable example demonstrate the working of Relational Algebra operations using MapReduce. |
| 8. | Explain the features, characteristics and limitations of Hive |
| 9. | With a neat diagram, explain the Hive architecture |
| 10. | Compare Hive and RDBMS |
| 11. | List out the different data types and file formats in Hive. |
| 12. | With a neat diagram, explain the steps to show the dataflow sequences and workflow between Hive and Hadoop. |
| 13. | List out the built in functions in Hive. |
| 14. | With suitable example , demonstrate the following operations in Hive with commands   1. To create a table 2. To create a database 3. To list all existing databases 4. To delete a database |
| 15. | With suitable example, demonstrate the operation of add, rename and partition to a give table. |
| 16. | With suitable example, shown how partitioning is done to a table. Also mention its advantages and limitations. |