## KLS Gogte Institute of Technology, Belagavi

**Department of Computer Science Engineering**     **Academic Year: 2021-22(EVEN SEM)**

**Program: B.E (Computer Science Engineering)**                **Semester:** VI

**Course Title:** BIG DATA MANAGEMENT     **Compensatory IA**     **Code:** 18CS642
**Max. Marks:** 25     **Division**: Professional Elective     **Duration:** 1 Hr.     **Date:** 14/06/2022

Instructions:  1.  Answers must be to the point and must be neatly written.

2.  Answer any 5 questions, all questions carry equal marks.

| Q. No. | | [L] | [CO] | [PO] | [M] |
|---|---|---|---|---|---|
| 1. | What do you mean by Big Data Analytics ?List and explain the different types of big data analytics | L2 | 1 | 1 | 5 |
| 2. | Explain the architecture of Hadoop Distributed File System | L2 | 2 | 1 | 5 |
| 3. | What are the limitations of Map Reduce framework? How does YARN (Yet Another Resource Negotiator) overcomes these limitations | L1 | 3 | 1 | 5 |
| 4. | Explain YARN (Yet Another Resource Negotiator) architecture in detail with the help of neat diagram | L2 | 3 | 1 | 5 |
| 5. | Explain iterative operations in Spark RDD(Resilience Distributed Dataset) | L2 | 4 | 1 | 5 |
| 6. | Compare Relational Database with NoSQL Database. | L2 | 5 | 2 | 5 |
| 7. | Discuss the concept of Graph Database with the help of neat diagram. | L2 | 5 | 1 | 5 |

| Staff in Charge/ Module Coordinator (Name and Signature) | IQAC Team (Name and Signature) | Scrutinizer (Name and Signature) |
|---|---|---|
| **Prof. Arati Shahapurkar** | Prof. Arati Shahapurkar | |