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| C:\Users\TEMP.WDC.083\Desktop\VIT logo.png  (Autonomous College Affiliated to University of Mumbai) | *Mid Semester Examination (CBSGS-C scheme) -(2023-24)* | | |
| Date: | | Time: 1 Hr. & 15 Mints | Branch: Computer Engineering |
| Semester: VII | | Subject: BDA | Marks: 30 |
| |  |  |  |  | | --- | --- | --- | --- | | **Q. 1)** | **Attempt any Five (2 Marks Each)** | CO | BL | | a) | What is Big Data Analytics? | CO1 | L1 | | b) | What are the different sources of big data? | CO1 | L2 | | c) | How Unstructured data are different from Structured data? | CO1 | L3 | | d) | What are the different challenges of big data, and their solutions | CO1 | L2 | | e) | What is HDFS. | CO2 | L1 | | f) | List the key features of a distributed file system | CO2 | L1 | | g) | What is the purpose of a Combiner in MapReduce. | CO2 | L2 | | h) | What are advantages of using replication factor > 1 in HDFS. | CO2 | L2 | |  | | | | | **Q. 2)** | **Attempt any two. (5 Marks Each)** |  |  | | a) | How big data analytics help in the health care sector. | CO1 | L3 | | b) | What is Hadoop? Explain the core component of Hadoop. | CO1 | L2 | | c) | How Pig and Hive are different from MapReduce in processing | CO1 | L3 | |  | | | | | **Q 3)** | **Attempt any two. (5 Marks Each)** |  |  | | a) | How distributed file system does differ from a traditional file system? | CO2 | L3 | | b) | Perform the matrix multiplication using MapReduce where and | CO2 | L3 | | c) | What is the role of the Name Node and Data Nodes in Hadoop HDFS. | CO2 | L2 |  |  |  | | --- | --- | | **CO1** | Understand the building blocks of Big Data Analytics | | **CO2** | Apply fundamental enabling techniques like Hadoop and Map Reduce in solving real world problems | | | | |