

School of Computing Science and Engineering**Bachelor of Science in Computer Science
Semester End Examination - Aug 2024****Duration : 180 Minutes
Max Marks : 100****Sem V - E1UJ502B - Big Data Technologies***General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) What are the steps to generate a signed release APK? K1(2)
- 2) Describe Map Reduce and its qualities. K2(4)
- 3) Describe benefits of Zookeeper. K2(6)
- 4) Discuss knowledge management caselet on HIVE K3(9)
- 5) Justify the data Integrity ensured by HDFS in a Hadoop Cluster? K3(9)
- 6) State the reason why we can't perform "aggregation" (addition) in mapper? Why do we need the "reducer" for this? K5(10)
- 7) Analyze how a secondary name node differs from the name node K4(12)
- 8) Examine the advantages of using map side join in MapReduce? K5(15)
- 9) Explain "Distributed Cache" in a "MapReduce Framework". K5(15)
- 10) Can you explore how Big Data analytics can be integrated with other emerging technologies, such as artificial intelligence and blockchain? K6(18)