

Mid – I Examinations
Big Data Analytics

UNIT-I				
1	What is big data analytics? Describe the main Characteristics of Big Data with suitable example?	[CO1]	L1	[12M]
2	Classify various types of digital data dealt in Big Data systems? Explain each in detail.	[CO1]	L2	[12M]
3	Compare and contrast Traditional Business Intelligence and Big Data.	[CO1]	L2	[12M]
4	Compare Big Data and Data Warehouse.	[CO1]	L2	[12M]
5	Classify different types of classification of analytics.	[CO1]	L1	[12M]
6	Compare and contrast descriptive analytics, predictive analytics and prescriptive analytics	[CO1]	L2	[12M]
7	Explain latest analytics tools in detail	[CO1]	L2	[12M]
8	Explain various applications of big data in detail.	[CO1]	L2	[12M]
9	Outline various terminologies used in big data environments and briefly discuss.	[CO1]	L2	[12M]
10	List and explain a few top analytics tools.	[CO1]	L1	[12M]
UNIT-II				
1	Illustrate Hadoop ecosystem with its Architecture in detail.	[CO2]	L2	[12M]
2	Compare and contrast RDBMS and HDFS.	[CO2]	L2	[12M]
3	What are the various distributed system challenges and explain in brief how Hadoop tried to address them.	[CO2]	L2	[12M]
4	Identify various types of NoSQL Databases	[CO2]	L3	[12M]
5	Explain HDFS in detail along with its commands.	[CO2]	L2	[12M]
6	Illustrate various components to interact with Hadoop Ecosystem.	[CO2]	L1	[12M]
7	List the various hadoop distributions available in the market.	[CO2]	L1	[12M]
8	List and explain the important features of Hadoop	[CO2]	L2	[12M]
9	Compare between SQL versus NoSQL databases.	[CO2]	L2	[12M]
10	What are the advantages of Hadoop? Explain Hadoop Architecture and its Components with proper diagram.	[CO2]	L2	[12M]
UNIT-III				
1	Write a Hadoop MapReduce word count program with a brief explanation of both Mapper and Reducer.	[CO3]	L3	[06M]
2	Explain Mapper task in detail with a Java Hadoop Mapper Class code.	[CO3]	L2	[06M]
3	Explain Reducer task in detail with a Java Hadoop Reducer Class code.	[CO3]	L2	[06M]
4	What is the purpose of Combiner and Partitioner. Explain in detail.	[CO3]	L2	[06M]
5	Explain the role of Mapper in Hadoop MapReduce.	[CO3]	L2	[06M]
6	Explain the following daemon a) Name node, b) Data node	[CO3]	L2	[06M]