


Name:			
Enrolment No:			
UPES End Semester Examination, May 2023			
Course: Information Security Intelligence & Compliance Analytics Program: B.Tech CSE-LLB-CL Course Code: CLCB6002		Semester: XII Time : 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx2M=10Marks)			
S. No.		Marks	CO
Q 1	Remember the characteristics of big data, mark all that are applicable: (a) Volume (b) Veracity (c) Velocity (d) Variety (e) Volatility	2	CO1
Q 2	Select the incorrect type/s of big data: (a) Structured (b) Semi Structured (c) Unstructured (d) Super structured	2	CO2
Q 3	Define the terms data and big data.	2	CO1
Q 4	Choose the languages which is/are used in data science. (a) C++ (b) Ruby (c) C (d) R	2	CO2
Q 5	Big data can be easily processed using traditional techniques. (True or False)	2	CO1
SECTION B (4Qx5M= 20 Marks)			
Q 6	List at least five benefits of using open-source tools like Hadoop in Big data analytics.	5	CO2
Q 7	Recognize the obstacle in big data analytics. List and explain them.	5	CO3
Q 8	Discuss the role of Data Scientist in big data analytics.	5	CO1
Q 9	List and explain ways to protect data against unauthorized use and access.	5	CO4
SECTION-C (2Qx10M=20 Marks)			
Q 10	Define NCM. List and explain various features provided by NCM.	10	CO3

Q 11	Storage is key to big data. Compare and contrast various storage solutions.	10	CO4
SECTION-D (2Qx25M=50 Marks)			
Q 12	<p>(a) Compare and contrast the terms Data, Information and Intelligence.</p> <p>(b) Define security intelligence and list its characteristics.</p> <p>(c) Consider you are the security intelligence officer for XYZ company working with health records of a renowned hospital. List and discuss the key security and privacy issues to be handled.</p>	7+10+8	CO3
Q 13	<p>(a) Discuss how big data magnifies the security, compliance, and governance challenges.</p> <p>(b) Explain information centric security and its objectives.</p> <p>(c) Relate the above concepts into a banking sector and list various responsibilities as a data owner while meeting the security and compliance challenges.</p>	7+8+10	CO4