

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

Online End Semester Examination, May, 2021

Course: Information Security Intelligence & Compliance Analytics

Course Code: LLBL564

Programme: BTech (CSE) LLB (Hons)

Time: 03 hrs.

Semester: X

Max. Marks: 100

S. No.	SECTION A (6 questions x 5 Marks= 30 Marks)	Marks	CO
	1. Each Question will carry 5 Marks 2. Instruction: Write Short notes on the following (write down each answer in 100 words only). Please follow the word limit strictly. Avoid unnecessary elaboration.		
1	Big Data is multidimensional terms, in which four dimensions relate to the primary aspects of Big Data.	5	CO1
2	Big Data also has the potential to solve some of the nation's most pressing challenges in different fields.	5	CO1
3	Locating the appropriate data to push through an analytics platform can be complex and frustrating. The source must be considered to determine whether the data set is appropriate for use. Considerations should include...	5	CO2
4.	Many of those technologies or concepts are not new but have come to fall under the umbrella of Big Data. Best defined as analysis categories, these technologies and concepts include...	5	CO2
5	While there is no set formula for building a business case, there are some critical elements that can be used to define how a business case should look. A solid business case for Big Data analytics should include the following;	5	CO1
6	The candidate (Data Scientist) should possess a foundation of five critical skills to immediately bring value to a Big Data team. These skills are....	5	CO2
	SECTION B (5 question x 10 Marks= 50 Marks)		

	<p>1. Each question will carry 10 marks</p> <p>2. Instruction: Write each answer in 250 words only.</p>		
7	The scale of big data directly affects the storage platform that must be put in place. Write a small note on “The Storage Dilemma” in context of Big Data.	10	CO4
8	There are specific characteristics and features that a Big Data platform should offer to work effectively with Big Data analytics processes. Write the characteristics and features considered before finalizing a platform.	10	CO3
9	Conventional DBMS (database management system) are not suitable for Big Data. Write at least 5 reasons or limitations that paved the way to new kind of data management.	10	CO4
10	Today Yahoo is one of the biggest users of Hadoop and deployed it on more than 40000 servers. Explain working of different components of Hadoop Ecosystem.	10	CO3
11	One of the biggest issues around Big Data is the concept of intellectual property (IP). Are you agreeing with the statement? If yes, write the challenges with intellectual property.	10	CO3
	Section C (20 Marks)		
	<p>1. Question carries 20 Marks.</p> <p>2. Instruction: Write answer in not more than 750 words.</p>		
12	<p>In many industries, big data provides a way for companies to gain a better understanding of their customers and make better business decisions. Walmart relies on big data to get a real-time view of the workflow in the pharmacy, distribution centers and throughout the stores and e-commerce. Walmart started making use of Big Data Analytics much before the term Big Data become popular in industries. In year 2021, Walmart move from the experiential 10 node Hadoop cluster to 250 Hadoop cluster. With over 20,000 stores in 28 countries, Walmart is the largest retailer in the world. So it’s fitting then that the company is in the process of building the world’s largest private cloud, big enough to cope with 2.5 petabytes of data every hour. To make sense of all this information, Walmart has created what it calls its Data Café – a state-of-the-art analytics hub located within its Bentonville, Arkansas headquarters.</p> <p>Q. Explain the main objectives of data mining done by Walmart and how Walmart has achieved the same through Big Data Analytics?</p>	20	CO4