Printed Page:- 04		oject Code:- ACSAI0619/ACSAIH0619			
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I	NOIDA INSTITUTE OF ENGINEERING AND	TECHNOLOGY, GREATER NOIDA			
(An Autonomous Institute Affiliated to AKTU, Lucknow)					
B.Tech					
SEM: VI - THEORY EXAMINATION (2023 - 2024 )					
<b>-</b> :	Subject: Business Intelligence				
	3 Hours	Max. Marks: 100			
	Instructions:	with the correct course code branch etc			
-	rify that you have received the question paper ( Question paper comprises of <b>three Section</b> s				
	as (MCQ's) & Subjective type questions.	S -A, B, & C. It consists of whiteple choice			
	num marks for each question are indicated on	right -hand side of each question.			
	ate your answers with neat sketches wherever				
	ne suitable data if necessary.				
<b>5.</b> Prefero	ably, write the answers in sequential order.				
<b>6.</b> No sh	heet should be left blank. Any written n	naterial after a blank sheet will not be			
evaluatea	d/checked.				
	SECTION A	20			
1. Attem	npt all parts:-				
1-a.	Business intelligence (BI) is a broad cate	egory of application programs which 1			
	includes (CO1)				
	(a) Decision Support				
	(b) Data Mining				
	(c) Olap				
	(d) None				
1-b.	The component of BI architecture that is r	responsible for storing historical data 1			
	(CO1)	J			
	(a) OLAP engine				
	(b) Data warehouse				
	(c) ETL tool				
	(d) Data mart				
1-c.	An API is (CO2)	1			
1 C.		!			
	(a) TRUE				

	(h)	
	(b) False	
	(c) Can be true or false	
	(d) one-to-one marketing	
1-d.	The potential challenge of dashboard and scorecard development is (CO2)	•
	(a) Files	
	(b) OLTP	
	(c) RDBMS	
	(d) CREATE	
1-e.	The components of a Dashboard are (CO3)	•
	(a) Vertical	
	(b) Horizontal	
	(c) Image Extract	
	(d) All of the above	
1-f.	The identification of a continuous field in Tableau is (CO3)	
	(a) It is identified by blue pill in the visualization	
	(b) It is identified by green pill in the visualization	
	(c) It is preceded by a symbol in the data window	
	(d) When added to the visualization, it provides distinct values	
1-g.	The hierarchical data in a nested format is shown by (CO4)	,
	(a) Treemaps	
	(b) Scatter plots	
	(c) Area charts	
	(d) Population pyramids	
1-h.	The purpose of cleaning up data is (CO4)	,
	(a) To make it more visually appealing	
	(b) To improve performance	
	(c) To eliminate irrelevant data	
	(d) All of the above	
1-i.	Creates the connection between Power BI cloud-based data and the data	
	source located on-premises(CO5)	
	(a) Report view	
	(b) Query editor	
	(c) Power BI service	

(d) Gateway The key feature of Power BI is (CO5) 1 1-j. (a) Ability to create and share dashboards (b) Ability to create spreadsheets (c) Ability to edit images (d) Ability to create logos 2. Attempt all parts:-2.a. List some common data sources used in a Business Intelligence solution.(CO1) 2 2.b. 2 Define mobile business intelligence.(CO2) 2.c. State some ways to improve the performance of Tableau. (CO3) 2 2.d. Define Sorted list. (CO4) 2 2 2.e. State the differences between Tableau and Power BI. (CO5) **SECTION B** 30 3. Answer any five of the following:-Discuss the solutions offered by BI.(CO1) 3-a. 6 Discuss various Business intelligence tools which are using in real life.(CO1) 3-b. 6 Write about business intelligence reporting tool.(CO2) 3-c. 6 3-d. Enlighten the problems that business intelligence solve in IT industries.(CO2) 6 3.e. Categorize dimensions in Tableau. Write the names of Various Dimensions.( 6 CO3) 3.f. Justify your answer with example "Why is it important for data scientists to 6 focus on storytelling and presentation skills".(CO4) Discuss the types of relationships in Power BI.(CO5) 6 3.g. **SECTION C** 50 4. Answer any one of the following:-State your views on "Will Business Intelligence become more integrated with 4-a. 10 other technologies in the future".(CO1) 4-b. Differentiate between Big Data and Business Intelligence. (CO2) 10 5. Answer any one of the following:-5-a. Justify the terms Risk Probability and Risk Impact. Give suitable examples of 10 both..(CO2) 5-b. Differenciate between Business Intelligence and Business Analytics with an 10

example.(CO2)

6. Answ	er any <u>one</u> of the following:-	
6-a.	Write the steps to customize your visualization in Tableau, such as adjusting colors, fonts, and labels.(CO3)	10
6-b.	Describe about the axis range and visualization Charts with relevant example.( CO3)	10
7. Answ	er any <u>one</u> of the following:-	
7-a.	Differentiate Tableau Reader and Tableau online by defining them in brief. (CO4)	10
7-b.	Describe Virtualization using Detail Panel with an example.(CO4)	10
8. Answ	er any <u>one</u> of the following:-	
8-a.	Elaborate Bookmark in Power BI and why bookmark is used. (CO5)	10
8-b.	Discuss the Power BI suite of products and how they fit into Power BI ecosystem.(CO5)	10