Printed Pag	ge:- 03 Subject Code:- ACSAI0619 Roll. No:
NOIDA :	INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA (An Autonomous Institute Affiliated to AKTU, Lucknow) B.Tech SEM: VI - THEORY EXAMINATION (2023 - 2024) Subject: Business Intelligence and Data Visualization
Time: 3 H	
General In	structions:
	y that you have received the question paper with the correct course, code, branch etc.
_	stion paper comprises of three Sections -A, B, & C. It consists of Multiple Choice
	MCQ's) & Subjective type questions. n marks for each question are indicated on right -hand side of each question.
	your answers with neat sketches wherever necessary.
	uitable data if necessary.
	ly, write the answers in sequential order.
	should be left blank. Any written material after a blank sheet will not be
evaluated/ci	hecked.
CE CETON.	
SECTION-	
1. Attempt a	all parts:-
1-a. K	PI stands for (CO1)
(a)	Key Performance Indicators
(b)	Key Performance Identife
(c)	Key Processes Identifer
(d)	OBIEE
1-b. Se	elect the areas are affected by BI (CO1)
(a)	Revenue
(b)	CRM
(c)	Sales
(d)	All Of Above
1-c. D	eata Visualisation is the component of (CO2)
(a)	Key Performance Indicators
(b)	Key Performance Identife
(c)	Key Processes Identifer
(d)	OBIEE
	fumPy is (CO2)
(a)	Revenue
(b)	CRM
(c)	Sales

	(d)	All Of Above	
1-e.	T	he discrete field in Tableau can be determined by (CO3)	1
	(a)	Green color	
	(b)	symbol	
	(c)	Blue color	
	(d)	None	
1-f.	T	ableau File Extension is(CO3)	1
	(a)	twbx	
	(b)	twby	
	(c)	twbw	
	(d)	twbz	
1-g.	D	ata visualization is also an element of the broader(CO4)	1
	(a)	Deliver presentation architecture	
	(b)	Data presentation architecture	
	(c)	Dataset presentation architecture	
	(d)	Data process archietecture	
1-h.		ata visualization tools provide an accessible way to see and understand in data. (CO4)	1
	(a)	Trends	
	(b)	Outliers	
	(c)	Patterns	
	(d)	All of the above	
1-i.	T	he recommended method to share your reports is (CO5)	1
	(a)	Publish them to the Power BI service	
	(b)	Create a PDF of the report, and share the PDF with others	
	(c)	Copy the .PBIX file to a file folder, and give coworkers access to that folder	
	(d)	None	
1-j.		hoose which symbol would you use for Modulo in Power BI in a DAX ormula (CO5)	1
	(a)	+	
	(b)	_	
	(c)		
	(d)	%	
2. Att	empt a	all parts:-	
2.a.	D	efine business intelligence with example.(CO1)	2
2.b.	D	efine Scorecard .(CO2)	2
2.c.		Define Heat Map.(CO3)	2
2.d.	D	efine Tooltip in Tableau.(CO4)	2

2.e.	Define Self-service BI with help of an example. (CO5)	2
SECT	ION-B	30
3. Ans	wer any <u>five</u> of the following:-	
3-c.	Explain SDK in detail with example.(CO2)	6
3-a.	Discuss "Will Business Intelligence become more accessible to non-technical users in the future".(CO1)	6
3-d.	Differenciate between .twb and .twbx extension. (CO2)	6
3-b.	Draw and explain business intelligence architecture. (CO1)	6
3.e.	Mention various types of functions commonly used in Tableau. (CO3)	6
3.f.	Explain in detail about Pivoting data in Tableau. (CO4)	6
3.g.	Describe the KPIs indicate in the context of Power BI. (CO5)	6
SECT	ION-C	50
4. Ans	wer any <u>one</u> of the following:-	
4-a.	Explain some of the challenges faced while implementing a Data Warehouse. (CO1)	10
4-b.	Differenciate between BI traditional tools with Modern BI tools in detail. (CO1)	10
5. Ans	wer any <u>one</u> of the following:-	
5-a.	Define risk management and how does it apply to business intelligence.(CO2)	10
5-b.	Describe data exploration. Explain its compatibility with drill down procedure.(CO2)	10
6. Ans	wer any <u>one</u> of the following:-	
6-a.	Write the differences between Tableau and MS Excel with respect to designing.(CO3)	10
6-b.	Write the procedure installation of Tableau. Explain in detail. (CO3)	10
7. Ans	wer any <u>one</u> of the following:-	
7-a.	As a data scientist, why would you want to use an infographic instead of a simple chart or table justify your answer with example.(CO4)	10
7-b.	Explain the benefits of Data Story Telling.(CO4)	10
8. Ans	wer any <u>one</u> of the following:-	
8-a.	Describe how Power BI Mobile fits into the Power BI ecosystem and its key features. (CO5)	10
8-b.	Explain how to change the date format in Power BI Ouery Editor.(CO5)	10