Printed I	Page:- 04	Subject Code:- ACSDS0602
		Roll. No:
	NOIDA INSTITUTE OF ENGINEERING A	ND TECHNOLOGY, GREATER NOIDA
	(An Autonomous Institute Af	
	B.Te	
	SEM: VI - THEORY EXAMI	•
	Subject: Business Intelligen	
	3 Hours	Max. Marks: 100
	Instructions:	
·		per with the correct course, code, branch etc.
	question paper comprises of <b>three secti</b> as (MCQ's) & Subjective type questions.	ons -A, B, & C. It consists of Multiple Choice
	num marks for each question are indicated	on right -hand side of each question.
	ate your answers with neat sketches where	
	ne suitable data if necessary.	
	ably, write the answers in sequential order.	
<b>6.</b> No sh	heet should be left blank. Any written	n material after a blank sheet will not be
evaluated	d/checked.	
	SECTION	1 A 20
1. Attem	SECTION	1 Å 20
<b>1. Attem</b> 1-a.		20 1
	npt all parts:-	
	npt all parts:-  KPI stands for [CO1]	
	npt all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators	
	npt all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators  (b) Key Performance Identife	
	npt all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators  (b) Key Performance Identife  (c) Key Processes Identifer	
1-a.	mpt all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators  (b) Key Performance Identife  (c) Key Processes Identifer  (d) OBIEE  Data Mart is [CO1]	1
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1-a.	mpt all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators  (b) Key Performance Identife  (c) Key Processes Identifer  (d) OBIEE  Data Mart is [CO1]  (a) A subset of a data wareholder function or department	1
1-a.	ript all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators  (b) Key Performance Identife  (c) Key Processes Identifer  (d) OBIEE  Data Mart is [CO1]  (a) A subset of a data warehold function or department  (b) A tool for analyzing data	1 buse that is focused on a specific business
1-a.	MPI all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators  (b) Key Performance Identife  (c) Key Processes Identifer  (d) OBIEE  Data Mart is [CO1]  (a) A subset of a data warehold function or department  (b) A tool for analyzing data  (c) A data visualization tool	1 buse that is focused on a specific business
1-a. 1-b.	mpt all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators  (b) Key Performance Identife  (c) Key Processes Identifer  (d) OBIEE  Data Mart is [CO1]  (a) A subset of a data warehold function or department  (b) A tool for analyzing data  (c) A data visualization tool  (d) A technique for managing data	1 suse that is focused on a specific business ta quality
1-a. 1-b.	MPI all parts:-  KPI stands for [CO1]  (a) Key Performance Indicators (b) Key Performance Identife (c) Key Processes Identifer (d) OBIEE  Data Mart is [CO1]  (a) A subset of a data warehold function or department (b) A tool for analyzing data (c) A data visualization tool (d) A technique for managing data  Dashboard is ? [CO2]	1 suse that is focused on a specific business ta quality

	(c) Business intelligence	
	(d) DBMS	
1-d.	Dashboard enables [CO2]	1
	(a) Better data visualization	
	(b) Faster data retrieval and analysis	
	(c) More accurate decision making	
	(d) All of above	
1-e.	Choose from the following which is not a datatype in Tableau [CO3]	1
	(a) Integer	
	(b) Character	
	(c) Float	
	(d) String	
1-f.	The file extensions in Tableau are [CO3]	1
	(a) Tableau Packaged Workbook (.twbx)	
	(b) Tableau Data Source(.tds)	
	(c) Tableau Workbook (.twb)	
	(d) All of the above	
1-g.	The hierarchical data in a nested format is shown by [CO4]	1
	(a) Treemaps	
	(b) Scatter plots	
	(c) Area charts	
	(d) Population pyramids	
1-h.	The benefits of data visualization are [CO4]	1
	(a) Better analysis	
	(b) Identifying patterns	
	(c) Exploring business insights	
	(d) All of the above	
1-i.	Tableau is [CO5]	1
	(a) A spreadsheet program	
	(b) A data visualization and business intelligence tool	
	(c) A database management system	
	(d) An email client	
1-j.	Sometimes, referred to as Power BI online[CO5]	1

	(c) Query Editor	
	(d) Visual Market Place	
2. Atte	empt all parts:-	
2.a.	Define business intelligence with example.[CO1]	2
2.b.	Define Scorecard and it's advantages in Business Intelligence and Data Visualization ? [CO2]	2
2.c.	Write the difference between a Heat map and Tree map ? [CO3]	2
2.d.	Define Story in Tableau.[CO4]	2
2.e.		2
	Mention the important features of Power BI.[CO5]	
	SECTION B	30
3. Ans	wer any <u>five</u> of the following:-	
3-a.	Discuss the importance of effective & timely decision in Business Intelligence? [CO1]	6
3-b.	Discuss "Will Business Intelligence become more accessible to non-technical users in the future"? [CO1]	
3-c.	Explain risk management and risk mitigation ? [CO2]	6
3-d.	Differenciate between .twb and .twbx extension.[CO2]	6
3.e.	Distinguish between Treemaps and Heat Maps with an example.[CO3]	6
3.f.	Justify your answer with example "Why is it important for data scientists to focus on storytelling and presentation skills".[CO4]	6
3.g.	Describe in detail about visualization in Power BI.[CO5]	6
	SECTION C	50
4. Ans	wer any <u>one</u> of the following:-	
4-a.	Describe Data Visualization in Business Intelligence with suitable example.[CO1]	10
4-b.	Explain how to design a scalable and flexible BI architecture.[CO1]	10
5. Ans	wer any <u>one</u> of the following:-	
5-a.	Describe data exploration. Explain its compatibilty with drill down procedure.[CO2]	10
5-b.	Differentiate between drill down and drill up procedure.[CO2]	10

(a) Power BI

(b) Power BI Service

6. Answer any <u>one</u> of the following:-					
6-a.	Write the procedure installation of Tableau. Explain in detail.[CO3]	10			
6-b.	Describe in detail about Tableau Treemap.[CO3]	10			
7. Answer any <u>one</u> of the following:-					
7-a.	Explain Tableau File system also explain its types and extension.[CO4]	10			
7-b.	Discuss the different Tableau Products and what is the latest version of Tableau explain in detail.[CO4]	10			
8. Answer any <u>one</u> of the following:-					
8-a.	State the difference between structured and unstructured data.[CO5]	10			
8-b.	Describe in detail Power BI Data Gateway and its applications ? [CO5]	10			

