

Total No. of Questions: 06

Total No. of Printed Pages: 02

PRN No.	
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PAPER CODE	V314-235-B
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(AY:2024-25) December 2024 (ENDSEM) EXAM
TY B.TECH (SEMESTER - I)

COURSE NAME: Professional Elective-I Business Intelligence and Data Analytics	Branch: Computer Engineering	COURSE CODE:	CSUA31205E
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T.Y PATTERN 2020

Time: [1Hr 30 Min]

[Max. Marks: 40]

Instructions to candidates:

- 1) **Figures to the right indicate full marks. Use of scientific calculator is allowed**
- 2) **Use suitable data wherever required**
- 3) **All questions are compulsory. Solve any two sub question each from Questions 1 and 2**
- 4) **Solve any one sub question (2 marks) from Questions 3 ,4 ,5 and 6 and sub question of 4 marks is compulsory from questions 3,4,5,and 6**

Q. No.	Question Description	Max. Marks	CO mapped	BT Level
Q.1	a) Assess the difference between operational system and Informational system.	[4]	[CO1]	Apply
	b) Examine different factors responsible for success of the BI Project.	[4]	[CO1]	Apply
	c) Apply Business pressure response support model to any suitable example.	[4]	[CO1]	Apply
Q2	a) Illustrate any two types of Decision Support System with real world applications.	[4]	[CO2]	Analyze
	b) Illustrate the complete Decision support system.	[4]	[CO2]	Analyze
	c) Illustrate Structured, Unstructured and Semi structured problems with suitable example.	[4]	[CO2]	Analyze
Q3	a) Exemplify Slice operation on any multidimensional dataset in brief.	[2]	[CO3]	Understand
	OR			
	b) Enlist any 4 key points of Data Lake.	[2]	[CO3]	Understand
	c) Sketch the different dimension tables in developing a Star schema for College data.	[4]	[CO3]	Apply
Q4	a) Elaborate any 2 real-world use cases of Unstructured Data.	[2]	[CO4]	Understand
	OR			
	b) State the steps which will help analyze unstructured data for successful business enterprises.	[2]	[CO4]	Understand
	c) In the context of an email spam detection system, a			

	<p>model was tested on a dataset of emails and produced the following results:</p> <ul style="list-style-type: none"> • 70 emails were correctly classified as spam. • 20 emails were incorrectly classified as spam, though they were not spam. • 10 spam emails were missed and classified as not spam. • 100 emails were correctly classified as not spam. <p>Calculate Precision, Recall, F-score for the above data.</p>	[4]	[CO4]	Apply
Q.5	a) Enlist any 2 unique features which enable Tableau to handle diverse scenarios.	[2]	[CO5]	Understand
	OR	[2]	[CO5]	Understand
	b) State the limitations of connecting Google Sheets to Tableau.			
	c) Illustrate the steps used for creating Dashboard using Tableau.	[4]	[CO5]	Analyze
Q.6	a) Interpret any 2 types of Data analytics.	[2]	[CO6]	Understand
	OR			
	b) Comment on the statement, "GPS based logistic systems are useful for effective BI solution".	[2]	[CO6]	Understand
	c) Present the stages in developing a successful supply chain for Dairy product delivery system.	[4]	[CO6]	Apply