P1422

[6004]-501

B.E. (Computer Engineering) BUSINESS INTELLIGENCE

(2019 Pattern) (Semester-VIII) (Elective-VI) (410253 C)

	(-	201) I detern) (Demople) (212)			
Time: 2½ Hours] [Max. Marks: 70					
Instructions to the candidates:					
		Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.			
	2) I	Neat diagrams must be drawn wherever necessary.			
		Figures to the right indicate full marks.			
4	4) 1	Assume suitable data if necessary.			
		O. Ch.			
<i>Q1</i>)	a)	Explain in detail drill up & drill down. [6]	_		
	b)	Explain multidimensional data model with example. [6]			
	c)	What is data grouping and sorting? Write example of each.	5]		
		OR			
Q2)	a)⁄	Explain different types of reports in detail?	6]		
	b)		6]		
	c)		5]		
	•)				
			71		
(03)	a)	Explain data exploration in detail with example.	/] (
	b)	Explain data transformation in detail with example.	5]		
	c)	Explain data validation, incompleteness, noise, inconsistency of quali	ty		
		of input data.	5]		
		of input data. OR			
			7]		
Q4)		Explain data reduction in dettar with ordary	5]		
	b)		[5]		
	c)	Write a short note on data discretization.	J		
()5)	٥)	What is the association rule mining? Explain the terms support, confiden	ce,		
Q5)	a)		[5]		
		\lim	_		
	b)	What is the difference between hierarchical clustering and partitioni	ing		
	9.	method?	[5]		
		memou.			

c)	Consider the following dataset and we will find frequent item se	
	generate association rules for them using apriori algorithm, co minimum support count is 2 & minimum confidence is 60%	
		[8]
	T1 11,12,15	
	T2 12,14	, '
	T3 12,13	
	T4 11, 12, 14	
	T5 11, 13,	
	T6 12, 13	
	T2 T3 T4 T5 11, 12, 14 T5 11, 13, T6 12,13 11, 13	
	T7 11, 13 T8 11, 12, 13, 15 T9 11, 12, 13	
	TQ 11, 12, 13	
	OR	
06(0)	Explain Bayes theorem in detail.	(<i>E</i>)
	$Q = Q^{2}$	[5]
•	Different between classification and clustering.	[5]
c) ₃	Explain logistic regression with example.	[8]
		5
Q7) a)	Explain BI application in CRM.	[6]
b)	Explain roles of Analytical tools in BI.	[6]
c)	Define business intelligence. List and explain any 03 tools for E	Business
	intelligence.	[6]
	OR OR	
Q8) a)	Explain applications of BI in telecommunication and banking.	[6]
b)	Explain BI application in Logistics and production.	[6]
c)	Explain Role of BI in finance and marketing.	[6]
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