Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY Winter Examination-2018

Subject Name: Data Mining and Data Warehousing

	Subject	Code: 4CS06BDD1	Branch: B.C.A.		
	Semester	r: 6 Date : 24/10/2018	Time : 02:30 To 05:30	Marks : 70	
	Instructio	ons:			
	(1) 1	Use of Programmable calculator &	any other electronic instrument is p	rohibited.	
	(2) I	Instructions written on main answe	er book are strictly to be obeyed.		
		Draw neat diagrams and figures (if	f necessary) at right places.		
	(4)	Assume suitable data if needed.			
Q-1	l	Attempt the following question	18:		(14)
	a)	Define the term: Data Mining.			
	b)	What do you mean by DSS?			
	c)	What is data cleaning in ETL?			
	d)	What is OLTP?			
	e)	Define the term: Data Mart			
	f)	What is data transformation?			
	g)	Define the term: data cube			
	h)	What do you mean by ETL?			
	i)	Define the term: data warehouse	3		
	j)	What is hypothesis testing?			
	k)	What is the role of data mining in	n 11 industry?		
	l) m)	List various ETL Tools What is WEKA?			
	n)	What do you mean by BI tools?			
Atte		four questions from Q-2 to Q-8			
0.2					
Q-2		Attempt all questions			(5)
		Discuss DSS Systems Explain various components of d	data warahaysa arabitaatura		(5) (5)
	. ,	Discuss OLTP and OLAP system			(5) (4)
	(c)	Discuss OLTF and OLAF system	lis		(4)
Q-3		Attempt all questions			
		Explain various characteristics o			(5)
	(b)	Explain ROLAP with advantage			(5)
	(c)	Differentiate between Data ware	house and Data Mart		(4)



Q-4	(a) (b) (c)	Attempt all questions Describe Data Transformation process Explain MOLAP with advantages and disadvantages Explain loading of Data in ETL	(5) (5) (4)
Q-5		Attempt all questions	
	(a)	Explain Deployment of data mining model	(5)
	(b) (c)	Describe Decision Tree with suitable example Explain Transformation of Data	(5) (4)
Q-6		Attempt all questions	
	(a)	Discuss Apriori Algorithm	(5)
	(b) (c)	Explain evaluating of data mining process model Write a note on: neural network	(5) (4)
Q-7		Attempt all questions	
	(a)	Discuss Agglomerative algorithm in detail	(7)
	(b)	Discuss Preprocess of data with WEKA in detail	(7)
Q-8		Attempt all questions	
	(a) (b)	Explain hierarchical algorithm in detail Discuss sampling algorithm in detail	(7) (7)
		Disease sumpling uportain in down	(I)

