JSN

06IS74

(20 Marks)

(10 Marks)

(10 Marks)

1	1	Note: Answer FIVE full questions, selecting	20
الي	0	at least TWO questions from each part.	Ci.
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		PART - A	
1	a.	What is data mining? Explain the various data mining task with example.	(08 Marks)
	b.	List and explain general characteristics of data sets.	(06 Marks)
	C.	Explain measurement errors and data collection errors with example.	(06 Marks)
2			
2	a.	Explain different sampling approaches with example.	(08 Marks)
	b.	List the benefits of dimensionality reduction.	(04 Marks)
	c.	Explain feature subset selection process with a flow chart.	(08 Marks)
2		White the Head of the State of	(0.6 % 1.)
3	a.	Write the Hunt's algorithm used to build decision tree.	(06 Marks)
	b.	Explain characteristics of rule-based classifiers.	(06 Marks)
	c.	Explain nearest neighbor classifier with algorithm.	(08 Marks)
4	a.	What is apriori principle? Explain.	(06 Marks)
	b.	State and explain the requirements for candidate generation procedure.	(06 Marks)
	c.	Explain different factors affecting the complexity of Apriori algorithm.	(08 Marks)
		300	
		PART - B	
5	a.	Explain how the FP tree is represented.	(08 Marks)
	b.	Describe the effect of skewed support distribution.	(06 Marks)
	C.	Explain Simpson's paradox.	(06 Marks)
6	a.	Write and explain basic-Kmeans algorithm.	(08 Marks)
U	b.	Explain different applications of cluster analysis.	(06 Marks)
	c.	Write a note on DBSCAN.	(06 Marks)
	C.	White a note on DBSCAIV.	(00 Marks)
7		Describe the effect of skewed support distribution. Explain Simpson's paradox. Write and explain basic-Kmeans algorithm. Explain different applications of cluster analysis. Write a note on DBSCAN. Explain the following in brief, Spatial data mining. Multimedia data mining.	
	a.	Spatial data mining.	n
	b.	Multimedia data mining.	40.
1	c.	Text mining.	.50

> Text mining. Web mining.

Explain the social impact of data mining.

Describe the trends in data mining.