Seat No.:	
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## **AH-106**

## April-2022

## B.C.A., Sem.-VI

## CC-308: Introduction to Data Mining and Data Warehousing

CC- 500: Introduction to Data Mining and Data Warehousing							
Tim	: 2 Hours] [Max. Marks : 50						
Instructions: (1) All questions in Section – I carry equal marks.  (2) Attempt any two questions in Section – I.  (3) Question V in Section – II is compulsory.							
SECTION – I							
I.	(A) What is Data Mining? Explain the technologies used in data mining. 10						
	(B) Discuss major issues of data mining in detail. 10						
II. (A) What is Data Warehouse? Explain its key features in detail.							
	(B) Explain OLAP operations with appropriate example. 10						
III.	(A) What is data cleaning? Discuss the methods of data cleaning. 10						
	(B) What is data reduction? Explain Histogram and Sampling data reduction strategies in detail.  10						
IV.	V. (A) What is cluster analysis? Explain various clustering methods in detail.						
	(B) Explain any two data mining applications in detail. 10						
SECTION – II							
V.	MCQs (any five)						
(1) is an essential process where intelligent methods are applied to extract data							
	patterns.						
	(a) Data warehousing (b) Data mining						
	(c) Text mining (d) Data selection						

(2)		is an intermediate storage area used for data processing during the extract,						
	trans	form and load process of data wa	arehou	using.				
	(a)	Buffer	(b)	Virtual memory				
	(c)	Staging area	(d)	Inter-Storage area				
(3)	Which one is not clustering method?							
	(a)	Partitioning	(b)	Relational				
	(c)	Hierarchical	(d)	Density based				
(4)	What is the use of data cleaning?							
	(a)	a) To remove the noisy data						
	(b)	(b) Correct the inconsistencies in data						
	(c)	(c) Transformations to correct the wrong data						
	(d)	All of these						
(5)	The full name of OLAP is							
	(a)	Online Analytical Processing	(b)	Online Advanced Processing				
	(c)	Online Advanced Preparation	(d)	Online Analytical Performance				
(6)	Whic	Which of the following is not a kind of data warehouse application?						
	(a)	Information processing	(b)	Analytical processing				
	(c)	Data mining	(d)	Transaction processing				
(7)		is a top-down splitting method based on a specified number of bins.						
	(a)	Normalization	(b)	Binning				
	(c)	Clustering	(d)	Classification				
(8)	technique is used to detect relationships or associations between specific							
	value	values of categorical variables in large data sets.						
	(a)	Data characterization	(b)	Data classification				
	(c)	Association rule mining	(d)	Data discrimination				
(9)	Deci	sion tree is the most powerful for	r	·				
	(a)	classification	(b)	prediction				
	(c)	both (a) and (b)	(d)	None of these				
(10)	The	learning which is used for inferri	ng a n	nodel from labeled training data is called				
	(a)	Supervised learning	(b)	Predictive learning				
	(c)	Hybrid learning	(d)	Unsupervised learning				

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