

Program: BE Computer Engineering

Curriculum Scheme: **Revised 2012**

Examination: **Final Year Semester VIII**

Course Code: **CPC801** and Course Name: **DWM**

Time: 1-hour

Max. Marks: 50

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Note to the students: - All the Questions are compulsory and carry equal marks.

Q1.	According to Bill Inmon what are the key features of a DW
Option A:	Subject oriented
Option B:	Integrated
Option C:	Time variant
Option D:	All the above
Q2.	Users of the data Warehouse
Option A:	executives
Option B:	business experts
Option C:	decision makers
Option D:	all the above
Q3.	The data is stored, retrieved & updated in _____
Option A:	OLAP
Option B:	OLTP
Option C:	SMTP
Option D:	FTP
Q4.	The distance interquartile range (IQR) is defined as
Option A:	$IQR = Q_3 - Q_2$
Option B:	$IQR = Q_3 - Q_1$
Option C:	$IQR = Q_4 - Q_3$
Option D:	$IQR = Q_2 - Q_1$
Q5.	Which Operation of OLAP provides alternate presentation of data by rotating it
Option A:	Slice
Option B:	Roll up
Option C:	Dice
Option D:	Pivot
Q6.	The full form of OLAP is
Option A:	Online analytical processing
Option B:	Online analysis processing

Option C:	Online transaction processing
Option D:	Online aggregate processing
Q7.	A data cube consists of
Option A:	Multidimensional
Option B:	No dimensional
Option C:	Dimensional
Option D:	Procedural data
Q8.	_____ are some popular OLAP tools
Option A:	Metacube, Informix.
Option B:	Oracle Express, Essbase.
Option C:	HOLAP.
Option D:	MOLAP.
Q9.	An essential process used for applying intelligent methods to extract the data patterns is named as
Option A:	data mining
Option B:	data analysis
Option C:	data implementation
Option D:	data computation
Q10.	Which data mining task can be used for predicting wind velocities as a function of temperature, humidity, air pressure
Option A:	Cluster Analysis
Option B:	Regression
Option C:	Classification
Option D:	Sequential pattern discovery
Q11.	What is Data Integration
Option A:	where multiple data sources get combined
Option B:	Deduplication
Option C:	redundant
Option D:	collaborative
Q12.	Which of the following data mining task is known as Market Basket Analysis?
Option A:	Association Analysis
Option B:	Regression
Option C:	Classification
Option D:	Outlier Analysis
Q13.	The numerical data types are
Option A:	Ratio and Ordinal
Option B:	Ratio and Interval
Option C:	Interval and Ordinal
Option D:	Ordinal and Nominal

Q14.	Which of the following is not an algorithm of partitioning methods?
Option A:	K-means
Option B:	DIANA
Option C:	K-medoids
Option D:	CLARANS
Q15.	Which of the following is not an example of a density-based algorithm?
Option A:	DIANA
Option B:	DBSCAN
Option C:	OPTICS
Option D:	ID3
Q16.	What is the minimum no. of variables /features required to perform clustering?
Option A:	0
Option B:	1
Option C:	2
Option D:	3
Q17.	Which of these is not a frequent pattern mining algorithm?
Option A:	Apriori
Option B:	FP Growth
Option C:	Decision Trees
Option D:	Eclat
Q18.	Which of the following is direct application of frequent itemset mining?
Option A:	Social Network Analysis
Option B:	Market Basket Analysis
Option C:	Outlier Detection
Option D:	Intrusion Detection
Q19.	The Apriori algorithm is a _____.
Option A:	top-down search.
Option B:	breadth first search.
Option C:	depth first search.
Option D:	bottom-up search.
Q20.	The FP-growth algorithm has _____ phases.
Option A:	one
Option B:	two
Option C:	three
Option D:	four
Q21.	The left-hand side of an association rule is called _____.
Option A:	consequent.
Option B:	onset

Option C:	antecedent
Option D:	precedent
Q22.	Which of the following is the type of Metadata
Option A:	Operational Metadata
Option B:	Extraction and transformational metadata
Option C:	End-User metadata
Option D:	all the Options
Q23.	ETL stands for
Option A:	Extract Transform Load
Option B:	Extract Transport Load
Option C:	Enter Transform Layout
Option D:	Extract Transform Low
Q24.	The source of all data warehouse data is the_____
Option A:	operational environment
Option B:	informal environment
Option C:	formal environment
Option D:	technology environment
Q25.	The numerical data types are
Option A:	Ratio and Ordinal
Option B:	Ratio and Interval
Option C:	Interval and Ordinal
Option D:	Ordinal and Nominal