

Program: BE- Information Technology Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester V

Code: TEITC504 and Course Name: Advanced Database Management Systems

Time: 1 hour

Max. Marks: 50

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

Q1.	If a transaction has obtained a _____ lock, it can read but cannot write on the item.									
Option A:	Shared mode									
Option B:	Exclusive Mode									
Option C:	Read Mode									
Option D:	Write Mode									
Q2.	Answer the question based on the below transactions. Check the conflict in the following transaction <table border="1" data-bbox="370 1032 1431 1155"><tr><td>T1 reads from X</td><td>T2 reads from Z</td><td>T3 reads from X</td></tr><tr><td>T1 writes to Y</td><td>T2 writes to W</td><td>T3 writes to P</td></tr><tr><td>T1 writes to Z</td><td>T2 reads from X</td><td></td></tr></table>	T1 reads from X	T2 reads from Z	T3 reads from X	T1 writes to Y	T2 writes to W	T3 writes to P	T1 writes to Z	T2 reads from X	
T1 reads from X	T2 reads from Z	T3 reads from X								
T1 writes to Y	T2 writes to W	T3 writes to P								
T1 writes to Z	T2 reads from X									
Option A:	T1 and T3, T2 and T3									
Option B:	T1,T2 , and T3									
Option C:	T1 and T3, T1 and T2									
Option D:	T1 and T2									
Q3.	Triggers can be enabled or disabled with the _____ statement.									
Option A:	ALTER TABLE statement									
Option B:	DROP TABLE statement									
Option C:	DELETE TABLE statement									
Option D:	UPDATE TABLE statement									
Q4.	Which of the following header must be included in java program to establish database connectivity using JDBC ?									
Option A:	Import java.sql.*;									
Option B:	Import java.sql.odbc.jdbc.*;									
Option C:	Import java.jdbc.*;									
Option D:	Import java.sql.jdbc.*;									
Q5.	CREATE PROCEDURE statements cannot be combined with other SQL statements in a single batch.Pick the right option :									
Option A:	TRUE									
Option B:	FALSE									

Option C:	Depends on the procedure command
Option D:	Depends on other SQL statements
Q6.	Which of the following script is example of SQL injection attack?
Option A:	var Shipcity; ShipCity = Request.form ("ShipCity"); var SQL = "select * from OrdersTable where ShipCity = '" + ShipCity + "'";
Option B:	var Shipcity; ShipCity = Request.form ("ShipCity");
Option C:	var Shipcity; var SQL = "select * from OrdersTable where ShipCity = '" + ShipCity + "'";
Option D:	var Shipcity; SQL = "select * from OrdersTable where ShipCity = '" + ShipCity + "'";
Q7.	Some of the columns of a relation are at different sites is which of the following?
Option A:	Data Replication
Option B:	Horizontal Partitioning
Option C:	Vertical Partitioning
Option D:	Horizontal and Vertical Partitioning
Q8.	Pick the odd man out related to Distributed Database
Option A:	Security problem due to sharing.
Option B:	Some messages can be lost in the network system.
Option C:	The distributed database can have the data arranged according to different levels of transparency
Option D:	Overloading is another problem in distributed operating systems.
Q9.	In B+ tree the node which points to another node is called
Option A:	Leaf node
Option B:	External node
Option C:	Final node
Option D:	Internal node
Q10.	An autonomous homogenous environment is which of the following?
Option A:	The same DBMS is at each node and each DBMS works independently.
Option B:	The same DBMS is at each node and a central DBMS coordinates database access.
Option C:	A different DBMS is at each node and each DBMS works independently.
Option D:	A different DBMS is at each node and a central DBMS coordinates database access.
Q11.	A transaction is made to wait until all _____ locks held on the item are released

Option A:	Compatible
Option B:	Incompatible
Option C:	Concurrent
Option D:	Equivalent
Q12.	What is a view?
Option A:	A view is a special stored procedure executed when certain event occurs
Option B:	A view is a virtual table which results of executing a pre-compiled query
Option C:	A view is a database diagram
Option D:	A view is a database schema
Q13.	Transaction processing is associated with everything below except
Option A:	Producing detail summary or exception reports
Option B:	Recording a busniess activity
Option C:	Confirming an action or triggering a response
Option D:	Maintaining a Data
Q14.	Which Language is designed to support the semantic constructs of the ODMG object model and is independent of any particular programming language?
Option A:	ODL
Option B:	DML
Option C:	DDL
Option D:	TCL
Q15.	The view mechanism in OQL uses the concept of a :
Option A:	Object based query
Option B:	Named query
Option C:	Relational query
Option D:	Transaction query
Q16.	Identify the class name for the following code: COURSENAME course()
Option A:	COURSENAMEcourse()
Option B:	course()
Option C:	COURSENAME (course)
Option D:	COURSENAME
Q17.	Who characterized data warehouse as "a subject-oriented, integrated, nonvolatile, time-variant collection of data in support of management's decisions
Option A:	Ralph Kimball
Option B:	Arnie Barnett
Option C:	W. H. Inmon
Option D:	KD Nuggets
Q18.	Which schema is also known as galaxy schema
Option A:	Star Schema

Option B:	Snowflake Schema
Option C:	Constellation Schema
Option D:	Snow Schema
Q19.	How many fact tables are there in a star schema?
Option A:	One
Option B:	two
Option C:	three
Option D:	four
Q20.	Snowflake schema uses the concept of normalization.
Option A:	TRUE
Option B:	FALSE
Option C:	Depends on the schema
Option D:	Depends on the no of tables
Q21.	Data that can be modeled as dimension attributes and measure attributes are called as:
Option A:	Single -Dimensional
Option B:	Multi-Dimensional
Option C:	Measured
Option D:	Dimensional
Q22.	What does ETL Stands for ?
Option A:	Extract, Translate, Load
Option B:	Extract, Transform, Lead
Option C:	Extract, Transform, Load
Option D:	Extent, Transform, Load
Q23.	This term refers to applying dynamic changes as and when required in a specific period and predefined schedules
Option A:	Incremental load
Option B:	Full Load
Option C:	Initial Load
Option D:	No Load
Q24.	OLAP stands for :
Option A:	Online analytical processing
Option B:	Online analysis processing
Option C:	Online aggregated processing
Option D:	Online analytics processing
Q25.	The processing used for manipulation of information to support decision making:
Option A:	OLTP
Option B:	ETL
Option C:	ETLP

Option D:	OLAP
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