Program: BE Computer Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester VI

Course Code: CSDLO6022 and Course Name: Advance Database System

Time: 1 hour   Max. Marks: 50

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0310_R16_Comp_VI_CSDLO6022_QP4

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

Q1.	Indices whose search key specifies an order different from the sequential order of the file are called _____ indices.
Option A:	clustered
Option B:	Secondary
Option C:	hash
Option D:	Primary
Q2.	In a _____ clustering index, the index record contains the search-key value and a pointer to the first data record with that search-key value and the rest of the records will be in the sequential pointers.
Option A:	Dense
Option B:	Sparse
Option C:	Straight
Option D:	Continuous
Q3.	Which type of join is needed when you wish to include rows that do not have matching values?
Option A:	Equi-join
Option B:	Natural join
Option C:	Outer join
Option D:	Cartesian Join
Q4.	Which of the following is true concerning triggers?
Option A:	You do not create them with SQL.
Option B:	They execute against only some applications that access a database.
Option C:	They have an event, condition, and action.
Option D:	They cannot cascade (cause another trigger to fire).
Q5.	Key value pairs is usually seen in
Option A:	Hash tables
Option B:	Heaps
Option C:	Both Hash tables and Heaps

Option D:	Skip list
Q6.	Measures of query cost are
Option A:	Index cost
Option B:	linear cost
Option C:	binary cost
Option D:	Access cost
Q7.	The complexity of a linear search algorithm is
Option A:	$O(n)$
Option B:	$O(\log n)$
Option C:	$O(n2)$
Option D:	$O(n \log n)$
Q8.	_____ will undo all statements up to commit
Option A:	Transaction
Option B:	Abort
Option C:	Flashback
Option D:	Rollback
Q9.	Which one of the following cannot be taken as a primary key
Option A:	Id
Option B:	Register number
Option C:	Dept_id
Option D:	Street
Q10.	In contemporary databases the top level of the hierarchy consists of _____, each of which can contain _____.
Option A:	Environment, schemas
Option B:	Schemas, Environment
Option C:	Schemas, catalogs
Option D:	Catalogs, schemas
Q11.	Which database level is closest to the users
Option A:	Internal
Option B:	External
Option C:	Physical
Option D:	Conceptual
Q12.	Which of the following makes the transaction permanent in the database
Option A:	Flashback
Option B:	Rollback
Option C:	Commit
Option D:	View

Q13.	Which two files are used during operation of the ADBMS
Option A:	query language and utilities
Option B:	data manipulation language and query language
Option C:	data dictionary and transaction log
Option D:	data dictionary and query language
Q14.	Which of the following parallel database architectures is/are mainly used by distributed database system?
Option A:	Shared Memory
Option B:	Shared Disk
Option C:	Shared Nothing
Option D:	Hierarchical
Q15.	XML is _____
Option A:	Extended Markup language
Option B:	Extensible Markup Language
Option C:	Extended modification language
Option D:	Extensible Manipulation language
Q16.	Key to represent relationship between tables is called
Option A:	foreign key
Option B:	primary key
Option C:	Secondary kay
Option D:	Candidate key
Q17.	An advantage of the database management approach is
Option A:	data is dependent on programs
Option B:	data redundancy increases
Option C:	data is integrated and can be accessed by multiple programs
Option D:	data is stored in file format
Q18.	Which of the following is used to get back all the transactions back after rollback
Option A:	Commit
Option B:	Rollback
Option C:	Flashback
Option D:	Redo
Q19.	MongoDb is
Option A:	relational db
Option B:	Document oriented db
Option C:	Column db
Option D:	Traditional db
Q20.	Traditional databases are _____as compare to NOSQL databases
Option A:	slower
Option B:	faster

Option C:	same
Option D:	non relational
Q21.	Which of the following is a NoSQL Database Type?
Option A:	SQL
Option B:	Document databases
Option C:	JSON
Option D:	TCL
Q22.	A ……………….. is a set of regularity spaced (and contiguous) cells with associated (field) values. The associated values represent call values, not point values. This means that the value for a cell is assumed to valid for all locations within the cell
Option A:	Crystal
Option B:	Raster
Option C:	Segment
Option D:	Polygon
Q23.	Database: Which is the make given to the database management system which is able to handle full text data, image data, audio and video?
Option A:	full media
Option B:	graphics media
Option C:	multimedia
Option D:	hypertext
Q24.	A digital signature consists of a _____ of symbols.
Option A:	sequence
Option B:	String
Option C:	series
Option D:	Property
Q25.	In RSA, $\Phi(n)$ = _____ in terms of p and q.
Option A:	(p)/(q)
Option B:	(p)(q)
Option C:	(p-1)(q-1)
Option D:	(p+1)(q+1)