University of Mumbai
Examination 2020 under cluster 5 (APSIT)

Program: BE Information Technology

Curriculum Scheme: Revised 2016

Examination: Second Year Semester III

Course Code: ITC304 and Course Name: Database Management systems

Time: 1-hour   Max. Marks: 50

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

Q1.	The entity set person is classified as student and employee. This process is called _____
Option A:	Generalization
Option B:	Specialization
Option C:	Inheritance
Option D:	Constraint
Q2.	An entity set that does not have sufficient attributes to form a primary key is a _____
Option A:	strong entity set
Option B:	weak entity set
Option C:	simply entity set
Option D:	primary entity set
Q3.	Which relationship is used to represent a specialization entity?
Option A:	ISA
Option B:	AIS
Option C:	ONIS
Option D:	WHOIS

Q4.	Entity is a _____
Option A:	Object of relation
Option B:	Present working model
Option C:	Thing in real world
Option D:	Model of relation
Q5.	The descriptive property possessed by each entity set is _____
Option A:	Entity
Option B:	Attribute
Option C:	Relation
Option D:	Model
Q6.	Foreign key is the one in which the _____ of one relation is referenced in another relation
Option A:	Foreign key
Option B:	Primary key
Option C:	References
Option D:	Check constraint
Q7.	A domain is atomic if elements of the domain are considered to be _____ units.
Option A:	Different
Option B:	Divisible
Option C:	Indivisible
Option D:	Constant
Q8.	Which of the following is not valid unary operation in the relational algebra?
Option A:	select
Option B:	min

Option C:	project
Option D:	rename
Q9.	If E1 and E2 are relational algebra expressions, then which of the following is NOT a relational algebra expression?
Option A:	E1 ∪ E2
Option B:	E1 / E2
Option C:	E1 - E2
Option D:	E1 x E2
Q10.	In table Course with column name course_id, sec_id and semester, the course_id,sec_id and semester are _____ and course is a _____.
Option A:	Relation, Attribute
Option B:	Tuple, Attribute
Option C:	Attribute, Relation
Option D:	Tuple, Relation
Q11.	DELETE command belongs to which of the following language?
Option A:	DDL
Option B:	DML
Option C:	DCL
Option D:	TCL
Q12.	Which keyword used with UNION does not retain duplicate rows?
Option A:	ALL
Option B:	NARROW
Option C:	STRICT
Option D:	DISTINCT

Q13.	Which of the following can be used when you want to retrieve information from two different tables using single SQL query?
Option A:	Delete
Option B:	Update
Option C:	Joins
Option D:	Alter
Q14.	If one attribute is determinant of second, which in turn is determinant of third, then the relation cannot be:
Option A:	Well-structured
Option B:	1NF
Option C:	2NF
Option D:	3NF
Q15.	Which of the following is the DDL command?
Option A:	Create
Option B:	Update
Option C:	Delete
Option D:	Insert
Q16.	To remove a relation from an SQL database, we use the _____ command.
Option A:	Delete
Option B:	Purge
Option C:	Remove
Option D:	Drop
Q17.	In which of the following normal form, a composite value is converted to individual values.
Option A:	First
Option B:	Second

Option C:	Third
Option D:	BCNF
Q18.	Which of the following is not a level of data abstraction?
Option A:	Physical Level
Option B:	Critical Level
Option C:	Logical Level
Option D:	View Level
Q19.	Logical design of database is called
Option A:	Database Instance
Option B:	Database Snapshot
Option C:	Database Schema
Option D:	Entity
Q20.	Which of the following is the structure of the Database?
Option A:	Table
Option B:	Schema
Option C:	Relation
Option D:	Entity
Q21.	A logical description of some portion of database that is required by a user to perform task is called as
Option A:	System View
Option B:	User View
Option C:	Logical View
Option D:	Data View
Q22.	B-tree eliminates the redundant storage of _____

Option A:	Search keys
Option B:	Indices
Option C:	Buckets
Option D:	Bucket skew
Q23.	Indexing based on a sorted order of values are called _____
Option A:	Sequenced indices
Option B:	Ordered indices
Option C:	Hashing indices
Option D:	Structured indices
Q24.	DBMS stands for what
Option A:	Database Management System
Option B:	Database Master System
Option C:	Database Management Structure
Option D:	Database Management Specialization
Q25.	Database is an organized collection of related………
Option A:	Data
Option B:	Modules
Option C:	Programs
Option D:	Digital codes