MULTI	PLE CHOICE QUESTIONS IN DBMS (unit-1 to	o unit-4)			
1)	ER model is used in phase a) conceptual database c) physical refinement	b) schema refinement d) applications and security			
2)	The ER model is relevant to which of the following steps among the 6 steps in database a) requirement analysis b) conceptual database design c) logic database design d) all the above				
3)	Which of the following statements are correi) an entity is an object to the real world iii) attributes are described using entity v) we can have more than 1 candidate key a) i,iii,v b) ii,iv c) i,iii,i	ii) entity is described using attributes iv) each attribute must identify a domain			
4)	An instance is a) a set of relationships c) set of entites	b) set of attributes d) schema			
5)	The entity set that participates in a relations a) distinct c) may or may not be distinct	ship are b) need not be distinct d) none			
6)	The owner entity set and weak entity set sha) many to many relationship set c) one to many relationship set	b) many to one relationship set			
7)	The language used application programs to a) DML c) query language	request data from the DBMS is referred to as the b) DDL d) none			
8)	A top-to-bottom relationship among the iter	•			
	a) hierarchical schema	b) network schema			
	c) relational schema	d) all of the above			
9)	Which of the following levels of abstraction a) external level b) conceptual level				
10)	The hierarchical DBMS organizes data elements b) data compartments				
11)	A collection of operations that performs a si a) schedule b) transaction	ngle logic function is called c) DBA d) none of the above			
12)	Large collection of files are called				
	a) fields	b) records			
	c) database	d) sectors			
13)	What is not a feature of Hierarchical model a) Child having a parent c) Parent may have any number of Childs	<ul><li>b) Parent having parent</li><li>d) Child having more than one parent</li></ul>			
14)	The relational database environment has all a) users c) database	of the following components except <b>b) separate files</b> d) query languages			
	c) database	a) quely languages			
15)	The language associated with a database m programmers to manipulate data in the data a) data definition language. c) Data manipulation language.	anagement system that is employed by end users and abase is the: b) data presentation language. d) data translation language.			
16)	The ascending order of a data hirerchy is:				
	a) bit-byte-record-field-file-database	b) byte-bit-field-record-file-database			
	c) bit-byte-field-record-file-database	d) bit-byte-file-record-field-database			

17) The type of the datastrucure that is used in relational model is

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	a) Table	b) Tree		c) Node		d) None of th	ne above	
18)	independentl	y collect the salata independe	ame piece ence.	of informa	tion best des dundancy.	, .	groups in a	n organization
19)	a) Entity c) Key	is a 'thin	_	eal world w b) Attribut d) Relation	te .	endent existe	ence.	
20)	a) Entity Type	n among two e ip Type	b) Re	lationship	lled			
21)	A table a) Cannot b c) Consists of	e empty of Alphanumer		•	s of rows and			
22)		no use the data ated user ser	-		ized user	application p	orograms a	are called
23)	The person wa) DBA	vho is having ( b) D			ata and prog c) Devel		ng that dat d) none	ta
24)	The persons language a) System de c) DBA			b) System	_		n a progra	m written in host
25)	Which view is a) internal let c) conceptua			b) external d) view lev				
26)	The following a) internal led c) conceptua			databse b) external d) physical				
27)	a) Physical da	o modify the ir ata independe ata independe	nce		out causing a Data indeper		the exter	nal schema
28)	a) Physical da	o modify the c ata independe ata independe	nce		thout causin Data indepe		e to the ap	plication program
29)	a) Meta data	ion about data a a	in a data b) Tera d) none	data	d			
30)	a) a record	terminology, a b) a d) a	n entity	te is				
31)	a. Complex d	following feat ata types ns with multipl	•	b. N	Multi-valued			
32)	<ul><li>a. Relational</li><li>b. Relational</li><li>c. Relational</li></ul>	following is the technology we technology we technology we and object-or	ill be repla ill be exte ill domina	aced by obj inded to inc te without (	ect-oriented clude object- use of object	technology. oriented feat: -oriented fea	ures. tures.	al data models.
33)	The links bet a. pointers.	ween rows of b. fo	a master t reign keys		nose of a nes c. deterr			ed using: . clusters.

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A relational database data is organized as (check only one)

34)

	<ul><li>a. elements.</li><li>c. tables.</li></ul>	<ul><li>b. a collection of reco</li><li>d. a collection of con</li></ul>	nmon fields.				
35)	A tuple is also known as a(n) a. table	b. relation	·				
36.	c. row An attribute is also known as	d. field	_				
50.	a.) table	. ,	•				
	c.) row	d.) field					
37)	A field, or a combination of fi		ie value is a (c	heck only one)			
	a) secondary key.						
	c) primary key.	u) alternate key.					
38)	A foreign key must (check or			h) ha numaria			
	<ul><li>a) be defined in all tables in t</li><li>c. match the field value of a</li></ul>		ed table.	<ul><li>b) be numeric</li><li>d. be unique.</li></ul>	•		
20)				•	moved have one common		
39)	This Relational Algebra opera column	ation requires two tabl	ies as input and	i the two tables	must have one common		
	a) RESTRICTION		b) JOIN		c) DIVISION		
	d) CARTESIAN PRODUCT (M	IULTIPLICATION)	e) PROJECTI	ON			
40)	Combination of one or more columns used to identify particular rows in a relation is a(n)						
	a. ) record c. ) key	b. ) field d. ) tuple	e.) depende	ncy			
41)	A combination of two or more	e columns used to ide	entify narticular	rows in a relation	on is a(n)		
11)	a.) record	b. ) field					
	c. ) composite key	d.) foreign key	e. ) s	urrogate key			
42)	An attribute (or combination one)	of attributes) used st	trictly for data r	etrieval purpose	es is called a (check only		
	a. superkey c. secondary key	<ul><li>b. candidate key</li><li>d. primary key</li></ul>					
43)	The constraints	s can be applied only	at column level	<b> .</b>			
,	(a) Primary key	(b) Foreign key					
	(c) Unique	(d) None					
44)	Which of the following is a gr	-	ttributes that u	niquely identifie	es a row?		
	<ul><li>A) Key</li><li>C) Determinant</li></ul>	<ul><li>B) Dependent</li><li>D) Relation</li></ul>					
45)		•					
45)	Which SQL keyword must be a) DELETE	b) DISTINCT	icate rows from	the result relat	ion ?		
	c) NOT EXISTS						
46)	SQL keyword used to state the	ne condition that spec	ifies which row	s are to be sele	cted ?		
- 7		c) SELECT d) SE					
47)	SQL keyword used to specify	the table (s) to be u	sed ?				
·	a) EXISTS b) FROM	c) SELECT d) SET					
48)	SQL keyword used to implem	nent candidate keys					
,	a) NOT NULL b) CAS		IIQUE	d) REFERENC	E		
49)	Which keyword is used to de	termine if a column va	alue is equal to	any one of a se	et of values ?		
,	•	c) HAVING d) IN	•	,			
50)	Three DDL commands:						
,	a) CREATE, ALTER, DELETE	b) INSERT, U	JPDATE, DELET	Έ			
	c) CREATE, UPDATE, DROP	d) CREATE, i	ALTER, DROP				
51)	Referential integrity controls	•					
	<ul><li>a. attributes in a table.</li><li>c. instances of a class.</li></ul>	b. operations	ot an object.				
			add buser				
52)	Referential integrity dictates a. the value of a primary key		eign key of the	related table.			

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	b. the value of a foreign c. the value of a prima d. the value of a foreign	ary key cannot appear	in a foreign ke	y of the re	elated table.		
53)	Four DML commands a) CREATE, UPDATE c) CREATE, ALTER, I e) INSERT, UPDATE,	DELETE, SELECT	b) INS d) INS	ERT, UPD ERT, MOI	DATE, DROP, SE DIFY, DELETE, S	LECT SELECT	
54)	commands.	r is a symbol that can	J				
	A: important		C: any		: none of the ab	oove	
55)	An is an alt A: Another name		column or table C: Field	-	QL statement. : Row		
56)	which of the following A: COUNT	is not a valid aggrega B: COMPUTE		D	: MAX		
57)	Use theA: WHERE	clause to restrict groups: DISTINCT	ups returned by C: HAVING	a groupe D	ed query. : UNIQUEROWS	;	
58)	Which SQL keyword is A: COUNT		lifferent values? C: GROUP		: DISTINCT		
59)	A relation is a(n):  a. association between c. pointer from one ro	_	•	endency b ed table o	petween attribut of data.	es.	
60)	Which of the following a. The sequence of rob. The table must have. Attributes must cond. Entries in a column	ws and columns cann e a primary key. tain atomic data.	ot be modified.	be a relat	ion?		
61)	A relation containing r without introducing da a. generalized.		considered to be	-		d modification of ro	ws
62)	Which of the following a. It contains multiple b. The primary key co c. The data in the table d. Referential integrity	foreign keys. nsists of more than or le represents more tha	ne attribute. an one entity.		tured?		
63)	Which SQL command primary column to be A: ADD TABLE Employ B: ATTACH TABLE Employ C: ADD TABLE Employ D: ALTER TABLE Emp	'empid <sup>'</sup> ? /ee ADD PRIMARY KE ployee ADD PRIMARY /ee ATTACH PRIMARY	Y (empid) KEY (empid) KEY (empid)	key for a	new table called	d 'Employee' with th	ie
64)	The 'NULL' represents A: 0 B: blan		ence of any val	ue D	: none of the at	oove	
65)	Which SQL keyword is A: ORDER B: SOR	s used to sort the resu T-ORDER C: SOF		DER BY			
66)	To change the value of to use: a) INSERT b)		·	what com		ed	
67)	The WHERE keyword GROUP BY in the Sele  A) Having		rd is used to sta	art the co			
68)	The term first normal (check only one) a. all the key attribute b. there are no repeat	s are defined				one and only one va	alue,

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	not a set of value c. all attributes are d. all of the above.	<mark>s.</mark> dependent on the prima	ary key.			
69)	The referential integrity rule requires that (check only one):  a. it makes it possible for an attribute to have a corresponding value.  b. every null foreign key value must reference an existing primary key value.  c. every non-null foreign key value must reference an existing primary key value  d. it makes it possible to delete a row in one table whose primary key does not have a matching foreign key value in another table.					
70)	(check only one)	F and contains no trans F. c. 3NF.	•	ies is said to be in		
71)	An entity is in second normal form if:  A. all the values of nonprimary keys are dependent on the full primary key.  B. any nonkey attributes that are dependent on only part of the primary key should be moved to any entity where that partial key is the actual full key.  C. it must already be in first normal form.  D. all of the above.					
72)	A functional depend A) Tables B) R	ency is a relationship belations C) Ro		=		
73)		cannot exhi			D: none of the above	
74)	Denormalization pro A: higher	duces a B: upper	_ normal form. C: slow	er	D: lower	
75)	Higher normal forms are better than lower normal forms because higher normal forms yield fewer in the database.					
		B: data storage		redundancies	D: none of the above	
76)	A: there are no repe		ole			
77)	a. object-relational r	erting complex object modeling. b. nor cy. d. det	rmalization.		relations is called:	
78)		red to be in second no			and it has no	
	a. referential	b. functional	c. partial key	d. transitive		
79)	a. One of the key m b. X is a subset of si	te set to be candidate lay also be a candidate uper key and it should ch uniquely determines	key. not represent an	y subset of keys as	candidate key	
80)	If one attribute is a determinant of a second, which in turn is a determinant of a third, then the relation cannot be:					
	a. well-structured.	b. in 1NF.	c. in 2N	IF. d. in	3NF.	
81)	An attribute in one ta. determinant.	able that references a b. foreign key		another table is ca ential attribute.		
82)	The essential characteristics candidate key.	teristic of	normal form is	s that every determ	inant in the table must be a	
83)	a. Boyce Codd	b. Domain Ke orms pattern matching.	ey c. Fourt	:h d. Fi	fth	
/		- 1				

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1. What is Data Model?

A collection of conceptual tools for describing data, data relationships data semantics and constraints.

#### 2. What is E-R model?

This data model is based on real world that consists of basic objects called entities and of relationship among these objects. Entities are described in a database by a set of attributes.

# 3. What is an Entity?

It is a 'thing' in the real world with an independent existence.

#### 4. What is an Entity type?

It is a collection (set) of entities that have same attributes.

# 5. What is an Entity set?

It is a collection of all entities of particular entity type in the database

# 6. What is Weak Entity set?

An entity set may not have sufficient attributes to form a primary key, and its primary key compromises of its partial key and primary key of its parent entity, then it is said to be Weak Entity set.

#### 7. What is an attribute?

It is a particular property, which describes the entity.

#### 8. What is degree of a Relation?

It is the number of attribute of its relation schema.

#### 9. What is Relationship?

It is an association among two or more entities.

# 10. What is Relationship set?

The collection (or set) of similar relationships.

#### 11. What is Relationship type?

Relationship type defines a set of associations or a relationship set among a given set of entity types.

#### 12. What is degree of Relationship type?

It is the number of entity type participating.

# 13. What is DDL (Data Definition Language)?

A data base schema is specifies by a set of definitions expressed by a special language called DDL

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