

Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - Database Management Systems

Course Code - BCA401

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Answer all the questions. Each question carry one mark.

9. 1. The term _____ is used to refer to a row.

Mark only one oval.

- Attribute
- Tuple
- Field
- Instance

10. 2. Which of the following is not involved in DBMS?

Mark only one oval.

- End Users
- Data
- Application Request
- HTML

11. 3. What is 'data about data'?

Mark only one oval.

- directory
- data bank
- metadata
- information

12. 4. The restrictions placed on the data.

Mark only one oval.

- Relation
- Attribute
- Parameter
- Constraint

13. 5. The number of tuples of a relation is its

Mark only one oval.

- Degree
- Intention
- Cardinality
- None of these

14. 6. What is the degree of a table of 50 rows and 5 columns

Mark only one oval.

- 50
- 5
- 250
- None of these

15. 7. In the relational modes, cardinality is termed as:

Mark only one oval.

- Number of tuples
- Number of attributes
- Number of tables.
- Number of constraints

16. 8. Cartesian product in relational algebra is

Mark only one oval.

- Unary operator.
- Binary operator.
- Ternary operator
- not defined

17. 9. In an E-R diagram attributes are represented by

Mark only one oval.

- rectangle
- square
- ellipse
- triangle

18. 10. ____ command is used for modifying an existing table.

Mark only one oval.

- CREATE
- ALTER.
- DROP
- None of these

19. 11. DCL stands for _____

Mark only one oval.

- Data Count Language
- Data Control Language
- Data Connection Language
- None of these

20. 12. _____ command is used to give permission.

Mark only one oval.

- GRANT
- ALTER
- CREATE
- None

21. 13. Select operator (σ) works row wise where as project operator(Π) works

Mark only one oval.

- Row wise only
- Column wise only
- both Row wise only & Column wise only
- None of these

22. 14. VDL stands for

Mark only one oval.

- Very small data language
- View data language
- View Definition Language
- None of these

23. 15. What values does the count(*) function ignore?

Mark only one oval.

- Repetitive values
- Null values
- Characters
- Integers

24. 16. The _____ clause is used to list the attributes desired in the result of a query

Mark only one oval.

- select
- from
- where
- create

25. 17. What is the syntax to load data into the database? (Consider D as the database and a, b, c as data)

Mark only one oval.

- enter into D (a, b, c);
- insert into D values (a, b, c);
- insert into D (a, b, c);
- insert (a, b, c) values into D;

26. 18. _____ is a virtual table that draws its data from the result of an SQLSELECT statement.

Mark only one oval.

- View
- Synonym
- Sequence
- Transaction

27. 19. A table joined with itself is called

Mark only one oval.

- Join
- Self Join
- Outer Join
- Equi Join

28. 20. The _____ operator is used to compare a value to a list of literals values that have been specified.

Mark only one oval.

- BETWEEN
- ANY
- IN
- ALL

29. 21. A primary key cannot be _____

Mark only one oval.

- void
- null
- both void & null
- none

30. 22. A foreign key refers to another _____

Mark only one oval.

- Table
- Row
- bothTable & b. Row
- none

31. 23. A NULL means

Mark only one oval.

- Unknown
- Known
- Known partially
- none of these

32. 24. SQL stands for

Mark only one oval.

- Structured Query Language
- Sequential Query Language
- Structured Question Language
- None of these

33. 25. A _____ is a property of the entire relation, rather than of the individual tuples in which each tuple is unique.

Mark only one oval.

- row
- key
- just
- column

34. 26. Address field of a person should not be part of primary key, since it is likely to

Mark only one oval.

- unchanged
- changed
- No change
- None of these

35. 27. The primary key is selected from the

Mark only one oval.

- composite keys
- determinants
- candidate keys
- foreign keys

36. 28. A functional dependency is a relationship between or among:

Mark only one oval.

- column
- entity
- row
- attributes

37. 29. For some relations, changing the data can have undesirable consequences called:

Mark only one oval.

- referential integrity constraints
- modification anomalies.
- transitive dependencies.
- normal forms

38. 30. Which of the following is based on Multi-valued dependency?

Mark only one oval.

- third
- fourth
- first
- second

39. 31. If every non-key attribute is functionally dependent on the primary key, then the relation will be in

Mark only one oval.

- 1NF
- 2NF
- 3NF
- 4NF

40. 32. An organized logical sequence of records is called

Mark only one oval.

- file
- organization
- scrubbing
- sequencing

41. 33. An indexing operation

Mark only one oval.

- sorts a file using a single key
- sorts file using two keys
- establishes an index for a file
- both sorts file using two keys & establishes an index for a file

42. 34. The term attribute refers to a _____ of a table.

Mark only one oval.

- Record
- Column
- Tuple
- Key

43. 35. Database is generally _____

Mark only one oval.

- System-centered
- User-centered
- Company-centered
- Data-centered

44. 36. DBMS is a collection of what enables users to create and maintain a database?

Mark only one oval.

- program
- translator
- language activity
- key

45. 37. A characteristic of an entity.

Mark only one oval.

- Relation
- Attribute
- Parameter
- Constraint

46. 38. Entities are nothing else but

Mark only one oval.

- Relations
- DBMS
- Attributes
- None of the above

47. 39. A set of tuples at any given instant of time is called

Mark only one oval.

- Table
- Row
- Extension
- None of the above

48. 40. A relation with degree N , is known as

Mark only one oval.

- N -ary relation
- 1-ary relation
- 2-ary relation
- None of the above

49. 41. An entity set that does not have sufficient attributes to form a primary key is a

Mark only one oval.

- strong entity set.
- weak entity set.
- simple entity set.
- primary entity set.

50. 42. An ER model was introduced by

Mark only one oval.

- E.F.Codd
- P.P.Chen
- Constantine
- None of the above

51. 43. Which of the following cannot be used to modify the data in a database

Mark only one oval.

- update
- insert
- delete
- drop

52. 44. Grant and revoke are statements.

Mark only one oval.

DDL

TCL

DCL

DML

53. 45. Four DML commands are

Mark only one oval.

Create, Update, Delete, Select

Insert, Update, Delete, Select

Create, Alter, Delete, Select

Insert, Modify, Delete, Select

54. 46. To remove duplicate rows from the results of an SQL SELECT statement, the _____ qualifier specified must be included.

Mark only one oval.

ONLY

UNIQUE

DISTINCT

SINGLE

55. 47. How many tables can be joined to create a view

Mark only one oval.

- 1
- 2
- Depends on DBMS
- None of the above

56. 48. Using the _____ clause retains only one copy of identical tuples

Mark only one oval.

- distinct
- is not null
- no repeat
- from

57. 49. We apply the aggregate function to a group of sets of tuples using the _____ clause.

Mark only one oval.

- group by
- group
- group set
- group attribute

58. 50. The ____ aggregation operation adds up all the values of the attribute

Mark only one oval.

add

avg

max

sum

59. 51. "select distinct dept_name from institute;" -What does the above query do?

Mark only one oval.

It gives all the tuples having a distinct dept_name

It gives the dept_name attribute values of all tuples without repetition

It gives all the dept_name attribute of all the tuples

It gives all the tuples having a null value under the dept_name attribute

60. 52. Which of the following keywords is used beside the select clause to explicitly specify that duplicates are not removed?

Mark only one oval.

all

not unique

notnull

include

61. 53. A data manipulation command the combines the records from one or more tables is called

Mark only one oval.

- SELECT
- PROJECT
- JOIN
- PRODUCT

62. 54. To delete a particular column in a relation the command used is

Mark only one oval.

- UPDATE
- DROP
- ALTER
- DELETE

63. 55. Primary key is always _____

Mark only one oval.

- unique
- duplicate
- null
- None of the above

64. 56. Which of the following is correct AK=Alternate Key,CK=Candidate Key, PK=Primary Key

Mark only one oval.

- AK=CK-PK
- AK=CK+PK
- AK=SK-PK
- None of the above

65. 57. A key that has no meaning to the business or organization is

Mark only one oval.

- Candidate Key
- Alternate Key
- Artificial Key
- None of the above

66. 58. A rule that states that in a base relation the value of attribute of a primary key cannot be null is called as

Mark only one oval.

- Entity Integrity Rule
- Referential Integrity Rule
- Security Integrity Rule
- None of the above

67. 59. An instance of relational schema R (A, B, C) has distinct values of A including NULL values. Which one of the following is true?

Mark only one oval.

- (A) A is a candidate key
- (B) A is not a candidate key
- (C) A is a primary Key
- Both (A) and (C)

68. 60. What is a foreign key?

Mark only one oval.

- A foreign key is a primary key of a relation which is an attribute in another relation
- A foreign key is a superkey of a relation which is an attribute in more than one other relations
- A foreign key is an attribute of a relation that is a primary key of another relation
- A foreign key is the primary key of a relation that does not occur anywhere else in the schema

69. 61. Drop Table cannot be used to drop a table referenced by a constraint.

Mark only one oval.

- Local Key
- Primary Key
- Composite Key
- Foreign Key

70. 62. The primary key is selected from the:

Mark only one oval.

- composite keys.
- determinants.
- candidate keys.
- foreign keys.

71. 63. An attribute in a relation is a foreign key if the _____ key from one relation is used as an attribute in that relation.

Mark only one oval.

- Candidate
- Primary
- Super
- Sub

72. 64. In 2NF, which dependency is going to be eliminated?

Mark only one oval.

- Trivial dependencies
- Partial dependencies
- Multivalued dependencies
- Transitive dependencies

73. 65. The different classes of relations created by the technique for preventing modification anomalies are called:

Mark only one oval.

- normal forms
- referential integrity constraints.
- functional dependencies.
- None of the above

74. 66. A relation is in this form if it is in BCNF and has no multivalued dependencies:

Mark only one oval.

- second normal form
- third normal form.
- fourth normal form
- domain/key normal form

75. 67. In the relational model, relationships between relations or tables are created by using:

Mark only one oval.

- null keys.
- candidate keys.
- primary keys.
- foreign keys.

76. 68. Which of the following is not Armstrong's Axiom?

Mark only one oval.

- Reflexivity rule
- Transitivity rule
- union rule
- intersection rule

77. 69. We can use the following three rules to find logically implied functional dependencies. This collection of rules is called

Mark only one oval.

- Axioms
- Armstrong's Axioms
- Armstrong
- Closure

78. 70. The relation employee(ID,name,street,Credit,street,city,salary) is decomposed into employee1 (ID, name) employee2 (name, street, city, salary)

Mark only one oval.

- Lossless decomposition
- Lossless-join decomposition
- Lossy-join decomposition
- None of these

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