



RAN - 1903000203020083



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S. Y. B. Sc. (Comp. Sci.) (Sem. - III) Examination

March - 2023

Comp. Sci. : Paper - V

(303 : Relational Database Management System - I)

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:
☛ **S. Y. B. Sc. (Comp. Sci.) (Sem. - III)**

Name of the Subject :
☛ **Comp. Sci. : Paper - V (303 : Relational Database Management System - I)**

Subject Code No.: **1903000203020083**

Seat No.:

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Student's Signature

(2) All questions are compulsory.

***O.M.R. Sheet ભરવા અંગેની અગત્યની સૂચનાઓ આપેલ
O.M.R. Sheetની પાછળ છાપેલ છે.
Important instructions to fillup O.M.R. Sheet
are given on back side of the provided O.M.R. Sheet.***

- Q. 10.** Data independence means
- a) Data is defined separately and not included in programs.
 - b) Programs are not dependent on the physical attributes of data
 - c) Programs are not dependent on the logical attributes of data
 - d) Both B and C
- Q. 11.** What will be the output of query : Select from employee where designation = 'manager';
- a) Error
 - b) Display records of all employee
 - c) Display records of employee who are managers
 - d) None of the above.
- Q. 12.** Create table employee (eno number ,fname varchar ,contact number) what type of statement is this?
- a) DML
 - b) DCL
 - c) DDL
 - d) all of the above
- Q. 13.** Which one of the following cannot be taken as a primary key?
- a) Emailid
 - b) Aadhar no
 - c) SPID
 - d) All of the above
- Q. 14.** Attribute refers to _____ of the table.
- a) Record
 - b) Column
 - c) Tuple
 - d) Key
- Q. 15.** Rows of a relation are known as the _____.
- a) Degree
 - b) Tuples
 - c) Entity
 - d) All of the above
- Q. 16.** Select min(salary) from employee; display
- a) Minimum salary
 - b) Maximum salary
 - c) Average salary
 - d) None of the above
- Q. 17.** _____ used to calculate records.
- a) Sum
 - b) Max
 - c) Min
 - d) Count

- Q. 18.** Network model are complicated by the physical keys but the relational model is _____?
- Faster because it uses logical keys
 - Faster because it uses physical keys
 - Slow because it uses logical keys
 - Slow because it uses physical keys
- Q. 19.** Select avg(salary) from employee ; displays
- Salary
 - Average salary
 - Maximum salary
 - Records count
- Q. 20.** Which of the following is not true about update?
- Multiple columns can be updated
 - Primary key can be updated
 - It is DML operation
 - Used for change the data
- Q. 21.** _____ operation of relational algebra denoted by the symbol -
- Union
 - Intersection
 - Set-difference
 - Join
- Q. 22.** _____ is fundamental operation of relational algebra.
- Set Intersection
 - Assignment
 - Natural join
 - None of the above
- Q. 23.** Which statement would add a column age to table student?
- alter table add age number;
 - drop table student
 - alter table student add age number
 - alter table student insert age number
- Q. 24.** Select name from student where name like ‘_a%’; displays
- Display name who contains letter ‘a’ anywhere in name
 - Display name whose second alphabet is ‘a’
 - Display Name of 3 letters who contains ‘a’ in name
 - None of the above
- Q. 25.** Select city from employee group by city having city=’Surat’; displays
- Surat only
 - All the records whose city is Surat
 - All the records citywise
 - All of the above

- Q. 26.** For creating Foreign key
- a) Parent table must have primary key
 - b) Both the tables have common Field name which have same name and datatype
 - c) The records already inserted in parent table before inserting in child table
 - d) All of the above
- Q. 27.** Default format to insert date in a table is _____.
- a) dd/mm/yy
 - b) mm/dd/yyyy
 - c) dd/mm/yyyy
 - d) dd-mon-yyyy
- Q. 28.** SELECT* FROM employee ORDER BY salary desc
- a) Display records in descending order
 - b) Displays records in ascending order
 - c) Displays records in descending order salary wise
 - d) Display records salarywise
- Q. 29.** Drop table student where rollno= 1;
- a) Removes data of rollno 1
 - b) Removes all the records
 - c) Remove table
 - d) Error
- Q. 30.** Select name,avg(salary) from employee; displays
- a) Error
 - b) Display name and average salary
 - c) Display average salary of employee
 - d) None of the above
- Q. 31.** What is primary key?
- a) Super key
 - b) Foreign key
 - c) Candidate key
 - d) Unique key
- Q. 32.** Diamond shape represents
- a) Relationship
 - b) Entity
 - c) Attribute
 - d) None of the above
- Q. 33.** Dashed ellipse represents
- a) Primary key
 - b) Foreign key
 - c) Candidate key
 - d) Super key

- Q. 34.** _____ express the number of entities to which another entity can be associated via a relationship set.
- a) Mapping constraints b) Logical constraints
c) Messaging Constraints d) None Of Above
- Q. 35.** Which of the following is creating the structure of the tables and removing of tables?
- a) DML(Data Manipulation Language)
b) Schema
c) Instance
d) DDL(Data Definition Language)
- Q. 36.** Collection of related information is called
- a) Database b) Table
c) Record d) None of the above
- Q. 37.** _____ used to identify row uniquely.
- a) Super key b) Primary key
c) Foreign key d) None of the above
- Q. 38.** Updates that violate _____ are not allowed.
- a) DDL b) DML
c) DCL d) Integrity constraints
- Q. 39.** In object oriented model values are stored into _____ variables.
- a) Global b) Instance
c) Static d) Local
- Q. 40.** Which of the following is single valued attribute?
- a) SPID b) Mobile number
c) city d) dob
- Q. 41.** _____ symbol is used to denote project operation in relational algebra.
- a) Ω b) σ
c) Π d) α
- Q. 42.** Which of the following data types does the SQL standard not support?
- a) Char b) Number
c) String d) Long

SPACE FOR ROUGH WORK