



RAN - 1911000303020083



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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.: **1911000303020083**

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)  $\Omega$                                          b)  $\sigma$   
c)  $\Pi$     d)  $\alpha$
- 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**