



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.***

**SET - 2**

- Q. 1.** Select city from employee group by city having city='Surat'; displays
- a) Surat only
  - b) All the records whose city is Surat
  - c) All the records citywise
  - d) All of the above
- Q. 2.** For creating Foreign key
- a) Parent table must have primay 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. 3.** 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. 4.** SELECT\* FROM employee ORDER BY salary desc
- a) Display records in decending order
  - b) Displays records in ascending order
  - c) Displays records in decending order salary wise
  - d) Display records salarywise
- Q. 5.** Drop table student where rollno= 1;
- a) Removes data of rollno 1
  - b) Removes all the records
  - c) Remove table
  - d) Error
- Q. 6.** 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. 7.** What is primary key?
- a) Super key
  - b) Foreign key
  - c) Candiddate key
  - d) Unique key
- Q. 8.** Diamond shape represents
- a) Relationship
  - b) Entity
  - c) Attribute
  - d) None of the above

- Q. 9.** Dashed ellipse represents
- |                  |                |
|------------------|----------------|
| a) Primary key   | b) Foreign key |
| c) Candidate key | d) Super key   |
- Q. 10.** \_\_\_\_\_ 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. 11.** 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. 12.** Collection of related information is called
- |             |                      |
|-------------|----------------------|
| a) Database | b) Table             |
| c) Record   | d) None of the above |
- Q. 13.** \_\_\_\_\_ used to identify row uniquely.
- |                |                      |
|----------------|----------------------|
| a) Super key   | b) Primary key       |
| c) Foreign key | d) None of the above |
- Q. 14.** Updates that violate \_\_\_\_\_ are not allowed.
- |        |                          |
|--------|--------------------------|
| a) DDL | b) DML                   |
| c) DCL | d) Integrity constraints |
- Q. 15.** In object oriented model values are stored into \_\_\_\_\_ variables.
- |           |             |
|-----------|-------------|
| a) Global | b) Instance |
| c) Static | d) Local    |
- Q. 16.** Which of the following is single valued attribute?
- |         |                  |
|---------|------------------|
| a) SPID | b) Mobile number |
| c) city | d) dob           |
- Q. 17.** \_\_\_\_\_ symbol is used to denote project operation in relational algebra.
- |             |             |
|-------------|-------------|
| a) $\Omega$ | b) $\sigma$ |
| c) $\Pi$    | d) $\alpha$ |





- Q. 36.** Data independence means
- Data is defined separately and not included in programs.
  - Programs are not dependent on the physical attributes of data
  - Programs are not dependent on the logical attributes of data
  - Both B and C
- Q. 37.** What will be the output of query : Select from employee where designation = 'manager';
- Error
  - Display records of all employee
  - Display records of employee who are managers
  - None of the above.
- Q. 38.** Create table employee (eno number ,fname varchar ,contact number) what type of statement is this?
- DML
  - DCL
  - DDL
  - all of the above
- Q. 39.** Which one of the following cannot be taken as a primary key?
- Emailid
  - Aadharno
  - SPID
  - All of the above
- Q. 40.** Attribute refers to \_\_\_\_\_ of the table.
- Record
  - Column
  - Tuple
  - Key
- Q. 41.** Rows of a relation are known as the \_\_\_\_\_.
- Degree
  - Tuples
  - Entity
  - All of the above
- Q. 42.** Select min(salary) from employee; display
- Minimum salary
  - Maximum salary
  - Average salary
  - None of the above
- Q. 43.** \_\_\_\_\_ used to calculate records.
- Sum
  - Max
  - Min
  - Count

- Q. 44.** Network model are complicated by the physical keys but the relational model is \_\_\_\_\_?
- a) Faster because it uses logical keys
  - b) Faster because it uses physical keys
  - c) Slow because it uses logical keys
  - d) Slow because it uses physical keys
- Q. 45.** Select avg(salary) from employee ; displays
- a) Salary
  - b) Average salary
  - c) Maximum salary
  - d) Records count
- Q. 46.** Which of the following is not true about update?
- a) Multiple columns can be updated
  - b) Primary key can be updated
  - c) It is DML operation
  - d) Used for change the data
- Q. 47.** \_\_\_\_\_ operation of relational algebra denoted by the symbol -
- a) Union
  - b) Intersection
  - c) Set-difference
  - d) Join
- Q. 48.** \_\_\_\_\_ is fundamental operation of relational algebra.
- a) Set Intersection
  - b) Assignment
  - c) Natural join
  - d) None of the above
- Q. 49.** Which statement would add a column age to table student?
- a) alter table add age number;
  - b) drop table student
  - c) alter table student add age number
  - d) alter table student insert age number
- Q. 50.** Select name from student where name like ‘\_a%’; displays
- a) Display name who contains letter ‘a’ anywhere in name
  - b) Display name whose second alphabet is ‘a’
  - c) Display Name of 3 letters who contains ‘a’ in name
  - d) None of the above
-

**SPACE FOR ROUGH WORK**