



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.** DBA stands for
- a) Database administration
 - b) Database administrator
 - c) Database Activator
 - d) None of the above
- Q. 2.** 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. 3.** 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. 4.** 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. 5.** 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. 6.** Attribute refers to _____ of the table.
- a) Record
 - b) Column
 - c) Tuple
 - d) Key
- Q. 7.** Rows of a relation are known as the _____.
- a) Degree
 - b) Tuples
 - c) Entity
 - d) All of the above
- Q. 8.** Select min(salary) from employee; display
- a) Minimum salary
 - b) Maximum salary
 - c) Average salary
 - d) None of the above

- Q. 9.** _____ used to calculate records.
- a) Sum
 - b) Max
 - c) Min
 - d) Count
- Q. 10.** 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. 11.** Select avg(salary) from employee ; displays
- a) Salary
 - b) Average salary
 - c) Maximum salary
 - d) Records count
- Q. 12.** 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. 13.** _____ operation of relational algebra denoted by the symbol -
- a) Union
 - b) Intersection
 - c) Set-difference
 - d) Join
- Q. 14.** _____ is fundamental operation of relational algebra.
- a) Set Intersection
 - b) Assignment
 - c) Natural join
 - d) None of the above
- Q. 15.** 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. 16.** 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

- Q. 25.** Dashed ellipse represents
- | | |
|------------------|----------------|
| a) Primary key | b) Foreign key |
| c) Candidate key | d) Super key |
- Q. 26.** _____ 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. 27.** 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. 28.** Collection of related information is called
- | | |
|-------------|----------------------|
| a) Database | b) Table |
| c) Record | d) None of the above |
- Q. 29.** _____ used to identify row uniquely.
- | | |
|----------------|----------------------|
| a) Super key | b) Primary key |
| c) Foreign key | d) None of the above |
- Q. 30.** Updates that violate _____ are not allowed.
- | | |
|--------|--------------------------|
| a) DDL | b) DML |
| c) DCL | d) Integrity constraints |
- Q. 31.** In object oriented model values are stored into _____ variables.
- | | |
|-----------|-------------|
| a) Global | b) Instance |
| c) Static | d) Local |
- Q. 32.** Which of the following is single valued attribute?
- | | |
|---------|------------------|
| a) SPID | b) Mobile number |
| c) city | d) dob |
- Q. 33.** _____ symbol is used to denote project operation in relational algebra.
- | | |
|-------------|-------------|
| a) Ω | b) σ |
| c) Π | d) α |

SPACE FOR ROUGH WORK