SUB.CODE: 18UCOA2C4

REG.NO: | | | | | | | | | | |

DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN (AUTONOMOUS)

(For Candidates admitted from 2020-2021 onwards)

UG DEGREE EXAMINATIONS APRIL - 2021

B.COM (CA) – COMMERCE (CA)

RDBMS(RELATIONAL DATABASE MANAGEMENT SYSTEM)

Time: 3 Hrs **Max.Marks: 75**

PART - A

CHOOSE THE CORRECT ANSWER **(10X1=10)**

1. _____is a way of organizing information on a computer, implemented by a set of computer programs.
   a) Organized system b) data system
   c) Database system d) management system
2. A field used to identify a record is called as a _____.
   a) Key. b) Column. c) Pointer. d) Index.
3. The second integrity rule of a relational model is _____.
   a) Referential integrity. b) Entity integrity.
   c) Attribute integrity. d) Object integrity.
4. In the relational model, relationships between relations or tables are created by using ____.
   a) Composite keys. b) Determinants.
   c) Candidate keys d) foreign keys.
5. Which of the following function cannot be performed by SQL?
   a) Creating complex UI. b) Updating records.
   c) Setting permissions on tables. d) Creating views in a database.
6. _____ is a query that has another query embedded within it.
   a) Sub query b) structured query
   c) Nested query d) sequence query
7. The _____ is the process of successive reduction of a given set of relations to better form.
   a) Database design. b) Database modelling.
   c) Normalization. d) Database reduction.
8. In the _____ normal form, a composite attribute is converted to individual attributes.
   a) First b) Second c) Third d) Fourth

9. _____ is preferred method for enforcing data integrity

a) Constraints
b) Stored Procedure
c) Triggers
d) Cursors

10. Which of the following cursor attribute returns true if the cursor is open?

a) %FOUND.
b) %ISOPEN.
c) %NOTFOUND.
d) %ROWCOUNT.

PART - B

ANSWER ALL THE QUESTIONS **(5X7=35)**

11. a) What is the purpose of database? Explain.

(OR)

b) Explain the mapping constraints.

12. a) Explain the structure of Relational Model.

(OR)

b) Describe the Cartesian-Product Operation.

13. a) Explain the Set Operations in SQL.

(OR)

b) Give a short note on Modification of the Database.

14. a) What are pitfalls in relational database design? Explain with a suitable example.

(OR)

b) Explain the Second Normal Form.

15. a) Explain the DDL Commands in SQL with example.

(OR)

b) What is a Cursor? Explain the cursor management.

PART - C

ANSWER ANY THREE QUESTIONS **(3X10=30)**

16. Describe the Entity Relationship Model.
17. Give a detail note on Tuple Relational Calculus.
18. Discuss about Nested Sub Queries with example.
19. Explain with example about Fourth Normal Form.
20. Explain the Integrity Constraints with example.