TIME: 3 HRS.

MAX. MARKS: 75

Section - A

Answer any TEN Questions.

(10 X 2 = 20)

1) Who are Naive Users?
2) What do you mean by weak entity set?
3) Define the term functional dependency.
4) Expand SQL and give a note on its usage.
5) What is meant by Operator Precedence?
6) List out the Logical Operators available in SQL.
7) Define Sub query.
8) What do you mean by Simple Join?
9) What is multiple sub query?
10) Define the term function.
11) What is the use of Packages in PL/SQL?
12) List out any four variables used in PL/SQL.

Section - B

(5 X 5 = 25)

Answer any FIVE Questions.

13) What do you mean by Database? List out and explain the role of Data base Administrator.
14) Give a brief note on Entity and Attributes.
15) What do you mean by first normal form?
16) List out and give a brief note on Codd's rule.
17) What are the different types of Set Operators available in SQL? Explain each one of them.
18) What do you mean by join? Write short note on Self join.
19) What is Exception? How do you handle Exception in PL/SQL?

Section - C

(3 X 10 = 30)

Answer any THREE Questions.

20) Explain in detail about Relational Model.
21) What is second Normal Form? Explain.
22) Write down the syntax and example for the following commands:
     i) DDL   ii) DML
23) List out and explain the different types of Character and Numerical library functions available in SQL.
24) Define the term Trigger. Write a PL/SQL code to implement Trigger.

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TIME: 3 HRS.   MAX. MARKS: 75

SECTION – A   (10 x2 = 20 marks)
Answer any TEN questions

1. Explain different levels of Data Abstraction.
2. What is Foreign Key?
3. Differentiate weak and strong entity set.
4. List out the fundamental operations in the Relational Algebra.
5. Define RDBMS.
6. What is the need of normalization?
7. What is a multi-valued dependency?
8. What is the purpose of DISTINCT operator?
9. Define Schema
10. Define SQL
11. What are nested queries?
12. Define Constraint?

SECTION – B   (5 x 5 = 25 marks)
Answer any FIVE questions

13. Discuss the three-schema architecture of a DBMS
14. What is mapping cardinalities? Explain
15. Draw a E-R diagram for University enterprise.
16. Explain about Full functional dependency and Partial dependency.
17. Define Normalization? Explain about theBCNF Normalization? I
18. Explain set operators in SQL.
19. What are single row numeric functions and single row date functions?

SECTION – C   (2 x 15 = 30 marks)
Answer any TWO questions

20. Explain with the help of a neat diagram, explain the physical DBMS architecture.
21. Explain various DDL and DML commands with syntax and examples
22. With relevant examples discuss the use of the following in SQL :
    (a) GROUP BY   (b) HAVING   (c) ORDER BY
23. Discuss the various types of JOIN operations in SQL with examples.

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RAMAKRISHNA MISSION VIVEKANANDA COLLEGE (AUTONOMOUS)
SEMESTER END EXAMINATIONS, NOVEMBER - 2020
19UCSAM06 / 18/19UCAAM06
RELATIONAL DATABASE MANAGEMENT SYSTEM

TIME: 3 Hrs.   Max. Marks: 75

SECTION -A   (10 X2=20 MARKS)

ANSWER ANY TEN QUESTIONS

1. What are the primary purposes of Database Systems?
2. Define Referential Integrity.
3. List the different type of database users.
4. Define normalization.
5. What is meant by Functional dependencies?
6. What is schema?
7. What is SQL?
8. What are the purposes of Set operator?
9. Write the syntax for creating function in Oracle.
10. What is Group join?
11. List out the features of PL/SQL
12. How to Initializing Variables in PL/SQL?

SECTION - B   (5 X5=25 MARKS)

ANSWER ANY FIVE QUESTIONS

13. Briefly explain the E-R Model.
14. Explain the concept of relational algebra.
15. Describe the 12 codd's rules.
16. With illustration, Explain First Normal form.
17. Discuss the DML commands in SQL with example.
18. Describe the self-join with example.
19. How do you understand the packages and Triggers in PL/SQL.

SECTION - C   (3 X10=30 MARKS)

ANSWER ANY THREE QUESTIONS

20. Briefly explain the different types of database users.
21. Discuss the second normal form.
22. Explain DDL Commands with example.
23. List out the different Types of Sub Quires in SQL and explain them.
24. How do you understand the Exception handling in PL/SQL? Explain.

TIME: 3 HRS.   MAX. MARKS: 75

Section - A   (10 X 2 = 20)

Answer any TEN Questions.

1. What is Database?
2. Define the term Key.
3. What is Normalization?
4. What do you mean by functional dependency in Normalization?
5. State the SQL.
6. What are the logical operators available in SQL?
7. Define the term Join.
8. What do you mean by Character function in SQL?
9. List out the usage of Triggers.
10. Write down the structure of PL/SQL.
11. List out any two roles of Database Administrator.
12. What is first normal form?

Section - B   (5 X 5 = 25)

Answer any FIVE Questions.

13. Explain the Relational model.
14. Give a brief note on Codd's rule.
15. What are the different types of DDL commands available in SQL?
16. List out any five character functions available in SQL.
17. Describe the usage of Functions PL/SQL.
18. Define and give a brief note on Schema and Schema diagram.
19. Discuss - First Normal form.

Section - C   (3 X 10 = 30)

Answer any THREE Questions.

20. Discuss in detail about Entity Relationship model.
21. Explain second normal form.
22. What are the different types of Data Manipulation Languages available in SQL? Give an example for each command with syntax.
23. Define the term Sub query. Write short note on sub queries.
24. What is Triggers? Explain in detail.

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