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Roll No.....

Total No. of Sections : 03

Total No. of Printed Pages : 04

Q.4 List different types of joins. Explain with syntax and examples.

OR

Explain different String Functions in SQL.

Q.5 What is transaction processing? Explain COMMIT and ROLLBACK.

OR

Explain While Loop and For Loop in PL/SQL with suitable example.

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Annual Online Examination 2020

B. Com. Part - II

COMPUTER APPLICATION

Paper - II

RELATIONAL DATABASE MANAGEMENT SYSTEM

Max.Marks : 50

Time : 3 Hrs.

Min.Marks : 17

Note : Section 'A', containing 10 very short-answer-type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

Section - 'A'

Answer the following very short-answer-type questions in one or two sentences : (1×10=10)

Q.1 What is meant by internal model?

Q.2 Which command is used for user output statement in PL/SQL?

Q.3 What is Relational model?

Q.4 Define referential integrity constraints.

Q.5 What is the purpose of primary key?

Q.6 Write any 2 command of DML.

P.T.O.

(2)

- Q.7 Which aggregate SQL function returns number of rows in a table?
- Q.8 Which command is used to discard all pending data changes?
- Q.9 Which SQL statements can be used for terminating transactions?
- Q.10 Which SQL keywords are used with wildcards?

Section - 'B'

Answer the following short-answer-type questions with word limit 150-200 : (3 5=15)

- Q.1 Explain E-R model with an example.
- OR**
- Define attribute. Explain its type.
- Q.2 Discuss about the fundamental operations of the relational algebra.
- OR**
- What is Data Redundancy?
- Q.3 What is the use of foreign key? Explain it with examples.
- OR**
- Explain BCNF.
- Q.4 Write SQL command to List Numbers of accounts of table account with balances between 700 and 900.

(3)

OR

- What is Rollback and Commit?
- Q.5 Explain the process of declaration in PL/SQL.

OR

What are the advantages of PL/SQL?

Section - 'C'

Answer the following long-answer-type questions with word limit 300-350 : (5 5=25)

- × Q.1 Explain different types of data models.
- OR**
- What is ER-Diagram? Draw E.R. Diagram for Bank Management system having number of Customer.
- Q.2 What is Relational Algebra? What are the unary operations in Relational Algebra?
- OR**
- What do you understand by Data Constraints? Explain types of Data Constraints?
- Q.3 List and explain different types of commands under DCL category with appropriate syntax and examples.
- OR**
- Explain Foreign key with suitable example.

P.T.O.