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

OR

Explain UPDATE and ALTER commands with appropriate syntax and example.

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

OR

How are exceptions handled in PL/SQL? Give some of the internal exceptions' name.

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Roll No.....................

Total No. of Sections   : 03
Total No. of Printed Pages : 04

Code No. : B-240

Annual Examination - 2019

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 term is normally used for 'Data about data'?

Q.3   What is Relational model?

Q.4   What produces a relation that has attributes of both R1 and R2?

Q.5   What is the purpose of primary key?

P.T.O.

Q.6   Which command is used to get a complete list of columns from a table?

Q.7   Which aggregate SQL function returns number of rows in a table?

Q.8   What is the use of 'while' loop statement?

Q.9   Which SQL statements can be used for terminating transactions?

Q.10   What is the function of 'INSTEAD OF' clause in CREATE TRIGGER command?

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

What is the role of Database Administrator?

Q.2   Discuss about the fundamental operations of the relational algebra.

OR

What is normalization? Explain with examples.

Q.3   What is the use of foreign key? Explain it with examples.

OR

Define and explain relational integrity constraint.

Q.4   Write SQL command to List Numbers of accounts of table account with balances between 700 and 900.

OR

Explain GROUP BY Clause.

Q.5   Explain the process of declaration in PL/SQL.

OR

Write syntax of GRANT and REVOKE.

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

Describe different kinds of DBMS users.

Q.2   What is Relational Algebra? What are the unary operations in Relational Algebra?

OR

What is view? Why it is created, explain its syntax and example.

Q.3   List and explain different types of commands under DCL category with appropriate syntax and examples.

OR

What is the need of the normalization? Explain the first three steps involved in the normalization.

P.T.O.