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Roll No.....

Total No. of Sections : 03

Total No. of Printed Pages : 04

Q.5 Explain PL/SQL Branching with examples.

**OR**

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

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**Annual Examination - 2018**

**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 Why do we need indexes in databases?
- Q.2 Which command is used for user output statement in PL/SQL?
- Q.3 Which key provides the basic tuple-level addressing mechanism in a relation system?
- Q.4 Define referential integrity constraints.
- Q.5 What is the shape for multivalued attributes in ER-Model?
- Q.6 Write any 2 command of DML.
- Q.7 Write the full form of BCNF?

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- Q.8 Which command is used to discard all pending data changes?
- Q.9 How can a triggering statement to made conditional?
- 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 What is strong entity and weak entity sets? Explain with examples.

**OR**

Define attribute. Explain its type.

- Q.2 Make a list of Application of Database.

**OR**

What is Data Redundancy?

- Q.3 Define the following with example.
  - (i) Relation
  - (ii) Tuple
  - (iii) Domain

**OR**

Explain BCNF.

- Q.4 Explain Multi row functions. (any three)

**OR**

What is Rollback and Commit?

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- Q.5 What is before and after Trigger?

**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 the structure of DBMS.

**OR**

What is ER-Diagram? Draw E.R. Diagam for Bank Management system having number of Customer.

- Q.2 How De- normalization is different from Normalization?

**OR**

What do you understand by Data Constraints? Explain types of Data Constraints?

- Q.3 What is the concept of Key? Explain Candidate Kay, Super Key, Alternet Ket.

**OR**

Explain Foreign kay with suitable example.

- Q.4 Differentiate the DDL, DML & DCL with suitable example.

**OR**

Explain different String Functions in SQL.