RAN-1911000010303000 1

RAN-1911000103030001

S.Y.B.C.A. Sem-III (CBCS) Examination

October / November - 2019

Relational Database Management System-I

સૂચના : / Instructions

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of ☛ signs on your answer book

Name of the Examination:

☛ **B.C.A. Sem-III (CBCS)**

Name of the Subject :

☛ **Relational Database Management System-I**

Subject Code No.: **1911000103030001**

Seat No.:

Student's Signature

Instructions:

(1) Write to the point
(2) Provide examples and diagrams wherever appropriate / necessary
(3) Figures to the right indicate full marks to the question

1 **Answer the following: (Any Seven)** **14**

(1) Explain subquery.
(2) How to create updateable view?
(3) What are the components of package?
(4) Can we overload functions? If yes then how?
(5) List out any four data types in oracle.
(6) List out TCL statements.
(7) Explain in operator.
(8) Create sequence which will generate numbers from 1 to 500.

2 **Answer the following: (Any Two)** **14**

(1) Explain union, intersection and minus clauses in detail.
(2) Explain DDL, DML and TCL statements in detail.
(3) What is view? How to create, alter and drop view? Explain using example.

3 **Answer the following: (Any Two)** **14**

(1) What is Data Constraint? List out data constraints and explain foreign key constraint using ON DELETE SET NULL option.

(2) What is the use of join? Explain inner join and outer join using examples.

(3) Explain trigger and its types in detail.

4 **Write notes on the following : (Any Three)** **18**

(1) Grant & Revoke statements

(2) Exception Handling

(3) Sequence

(4) PL/SQL Block Structure

5 **Consider the following table and do as directed : (Any Two)** **10**

Consider following table and do as directed.

Product (Prod No, Name, Price Per Unit, Quantity Sold, Total Sale)

Consider ProdNo, Name, PricePerUnit and QuantitySold columns have values. TotalSale column has null values.

(1) Write a stored procedure to calculate TotalSale (PricePerUnit * QuantitySold) and update it in product table.

(2) Write a user defined function which accepts prodno as argument and returns totalsale of that product whose prodno was provided.

(3) Write a database trigger which will not allow delete query to product table on Saturday and Sunday.

———