

B.C.A. SEM-II (2014 COURSE) CBCS : SUMMER - 2018

SUBJECT : APPLIED DATABASE MANAGEMENT CONCEPTS USING ORACLE

Day : **Saturday**
Date : **28/04/2018**

S-2018-1699

Time : **10.00 AM TO 01.00 PM**
Max. Marks :100

N.B.

- 1) Attempt any **FOUR** questions from Section – I and any **TWO** questions from Section – II.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to both the sections should be written in **SEPARATE** answer book.
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SECTION – I

- Q.1** What is RDBMS? Explain various features of RDBMS. (15)
- Q.2** What is SQL? Explain various DDL and DML commands of SQL. (15)
- Q.3** What is Data Constraint? Explain primary key and foreign key with example. (15)
- Q.4** Explain various Numeric and String functions available in SQL. (15)
- Q.5** Explain in brief various SET operations with example. (15)
- Q.6** Explain various advantages of PL/SQL also explain structure of PL-SQL block. (15)
- Q.7** Write short notes on any **THREE** of the following: (15)
- a) Trigger
 - b) Index
 - c) View
 - d) Pattern matching

SECTION – II

- Q.8** What is Join? Explain various types of joins with suitable example. (20)
- Q.9** Write a PL/SQL Block to: (20)
- a) Find greater among 3 numbers.
 - b) Accept 3 digit number and print it in reverse order.
- Q.10** Write SQL queries for the following: (08)
- i) Create following tables with proper constraints (08)
Customer (cust id, customer name, city, contact, Email)
Invoice (Invoiceno., Invoicedate, Cust id, Invoice Amount)
Invoice Detail (Invoiceno, Product code, qty)
Product (Product code, product name, stockqty, price)
 - ii) Display all customers from city "Delhi". (02)
 - iii) Display Invoiceno, Invoice date, customer name and Invoice Amount for customer 'Rajesh' (03)
 - iv) Display Product list in descending order of product name. (02)
 - v) Display Invoices in the Year 2017. (02)
 - vi) Display product names not sold in APR 2017. (03)