

S.D.E.
B.C.A. (2004 Course Sem- IV : SUMMER - 2019
SUBJECT : BUSINESS INFORMATION SYSTEM & ORACLE

Day : Wednesday
Date : 15/05/2019
S-2019-4973
Time 10.00 AM TO 1.00 PM
Max. Marks : 80

N.B.

- 1) Attempt any **FIVE** 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 the **SAME** answer book.

SECTION – I

- Q.1** Explain Herbert Simon's model of decision making. Discuss its limitations. (10)
- Q.2** Explain CODD's rules that qualify database as a relational database. (10)
- Q.3** Explain any five string functions and any five aggregate function with example. (10)
- Q.4** Explain PL/SQL block. Explain advantages of PL/SQL over SQL. (10)
- Q.5** Explain the different types of constraints. Write DML commands for altering table with constraint. (10)
- Q.6** Define Information. Explain role of Information and Data in any organization. (10)
- Q.7** Write short note on any **TWO**: (10)
- a) Law of requisite variety
 - b) Set operators.
 - c) Datatype of SQL and PL/SQL

SECTION – II

- Q.8** Write SQL queries for the following :
Bharati (College_id (P.K), CollegeName, No_of_students, Course_no (F.K.))
Courses (Course_no (P.K.), Coursename) (03)
- a) Create above tables with proper constraints. (02)
 - b) Display college names which offer 'MBA' as a course. (02)
 - c) Display the College names which has strength of 1892 students. (02)
 - d) Print the course names in descending order. (02)
 - e) List the course names which has letter 'C' as the first alphabet in their name. (02)
 - f) Display college with their courses. (02)
 - g) Display college names and the total number of students in each college. (02)
- Q.9** Write a PL/SQL block accept a number if the number is odd then display cube of the number otherwise if the number is even display square of the number. (15)
- Q.10** Explain any three MIS reports of 'Accounts' department of an organization. (15)