

**S.D.E.**

**B.C.A. (2004 COURSE SEM- IV : WINTER - 2017  
SUBJECT : BUSINESS INFORMATION SYSTEM & ORACLE**

Day : **Saturday**  
Date : **23/12/2017**

**W-2017-4167**

Time : **02.00 PM TO 05.00 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) Answer to both the **SECTION** should be written in **SEPARATE** answer books.

**SECTION – I**

- Q.1** Explain law of requisite variety with example. (10)
- Q.2** Explain the difference between procedure and function with example. (10)
- Q.3** Write SQL and PL/SQL datatypes with example. (10)
- Q.4** Explain set operators with example. (10)
- Q.5** What is cursor? Explain the steps of creating cursor. Give one example. (10)
- Q.6** Explain Herbert Simon Model. What is role of this mode in organization? (10)
- Q.7** Write short note on any **TWO**: (10)
- a) MIS in organization.
  - b) View and Sequence.
  - c) Group by and having clause.

**SECTION – II**

- Q.8** a) Write a PL/SQL block to display number 1...10 using for loop. (07)
- b) Write a PL/SQL block to generate multiplication table of number 7. (08)
- Q.9** Consider the following table structure.  
Client\_Master (C\_no (P.K.), Name, City, Balance\_due)  
Sales\_Order (Order\_No (P.K.), Order\_date, C\_no. (F.K.), delivery\_date, Order\_status)
- a) Create above tables with proper constraints. (03)
  - b) Find the names of clients having alphabet 'a' as a second letter in their name. (02)
  - c) Find the names of clients who stay in 'Mumbai' or 'Pune'. (02)
  - d) Print the orders placed in the month of June. (02)
  - e) Display orders placed by client 'Rama'. (02)
  - f) Add column phone number to client\_Master table. (02)
  - g) Delete column order\_status from sales\_order table. (02)
- Q.10** a) What is view? Explain with example. (07)
- b) Explain types of Index with example. (08)

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