

- (b) Clarify the concept of locking and briefly describe different types of locking.

7. Illustrate the following :

- (a) Abstract data types
(b) Nested Tables

Unit-IV

8. (a) Illustrate the conditional, iterative and sequential control statements available in PL/SQL.
(b) What is the purpose of exception handling in Oracle? Illustrate through an example.
9. What are database triggers? How are these created, applied and dropped in oracle? Explain through one example of each.

56053-1000-(P-4)(Q-9)(16) (4)

Roll No.

56053

**M.B.A. 2 Yr. 3rd Sem. (N.S.)
Batch 2011-2013**

Examination- December, 2016

Programming in Oracle

Paper-MBA-314

Time : 3 hours

Max. Marks : 50

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt all five parts of the question in Section-A. Attempt four questions selecting one question from each unit in Section-B. All questions carry equal marks.

Section-A

1. Explain the following :

- (a) Database management system

56053-1000-(P-4)(Q-9)(16) (1)

[Turn Over

- (b) SQL Form
- (c) Difference between inner join and self-join in Oracle
- (d) Array
- (e) Advantages of PL/SQL

Section-B

Unit-I

- 2. (a) What do you mean by SQL and SQL*PLUS? Also explain the utility and importance of SQL.
- (b) Illustrate the use of SQL report writer through an example.
- 3. (a) Illustrate various commands used for defining the structure of a table in SQL.
- (b) What is transaction control language? Illustrate the use of commit, save point and rollback commands.

56053-1000-(P-4)(Q-9)(16) (2)

Unit-II

- 4. (a) What are logical and set operators available in SQL? Explain giving examples.
- (b) Illustrate use of the following functions :
 - (i) abs
 - (ii) Count
 - (iii) Translate
 - (iv) Floor
 - (v) Mod
- 5. (a) What are integrity constraints? Briefly describe various types of integrity constraints.
- (b) Explain the use of multiple and correlated sub-queries in Oracle.

Unit-III

- 6. (a) What are views ? How can these be created and manipulated ?

56053-1000-(P-4)(Q-9)(16) (3)

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