B.Sc. (I.T.) (Sem. V) Examination
March / April – 2015
RDBMS - II

Time : 3 Hours] [Total Marks : 70

Instructions :

(1) Fill up strictly the details of signs on your answer book.

Name of the Examination : B.Sc. (I.T.) (Sem. V)
Name of the Subject : RDBMS - II

(2) Draw the Figure and give example whenever necessary.

1 Answer the following questions:

(1) Discuss exception handling concept. Describe types of exception.

(2) Explain Oracle sequence with proper examples. Also discuss importance of Cache parameter associated with Oracle Sequence.

2 Write short note on the following:

(1) Database buffer (2) Redo log buffer,
(3) Shared Pool (4) Tablespace
(5) Segment (6) Extent
(7) Data blocks

3 Consider the following table and answer the following questions: (Any Two).

<table>
<thead>
<tr>
<th>Emp (Eno, JoiningDate, BirthDate, FName, Salary)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Write a procedure to display top 5 employees who are getting highest salary.</td>
</tr>
<tr>
<td>(2) Write a procedure to display employee information for specific salary range. For example, getEmpDetails(1000, 5000) will display all employees who are getting salary between 1000 to 5000.</td>
</tr>
</tbody>
</table>

[Contd...]
(3) Write a procedure to display information of all employee who has joined in a specific year. For example, getEmpDetailsBYear(2014) will display all employees who joined in the year 2014.

4 Write short note on the following (Any Two)  
   (1) Abstract data type, Varray and Nested table  
   (2) Oracle Profile  
   (3) System Privilege, Object Privilege and Role  

5 Answer the following questions (Any Two)  
   (1) Explain database trigger with suitable example  
   (2) Explain Cursor with suitable example.  
   (3) Oracle Package