

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal-value.

Answer any five questions in which Q.No.1 is compulsory.

Time: 3 Hours

Full Marks: 80

1. Indicate the correct answer:-

- (i) Which of the following is an important feature of relational databases and SQL?  
☒ (a) Independence of table relationships    (b) High speed of SQL  
(c) Powerful GUI front end    (d) Easy to install and use
- (ii) What best describe the relationship between indexes and SQL performance?  
(a) Indexes are used to make table storage more efficient  
(b) Indexes rarely make a difference in SQL performance  
(c) Indexes are only used in special cases  
☒ (d) Indexes exist solely to improve query speed.
- (iii) Which SQL statement is used to return only different values?  
(a) SELECT DIFFERENT    ☒ (b) SELECT DISTINCT  
(c) SELECT UNIQUE    (d) None of the above
- (iv) Which SQL keyword is used to sort the result set?  
(a) ORDER    (b) SORT  
☒ (c) ORDER BY    (d) SORT BY
- (v) Which Oracle access method is the fastest way for Oracle to retrieve a single row?  
(a) Primary Key access    (b) Access via unique index  
☒ (c) Table access by ROWID    (d) Full table scan
- (vi) Which character function can be used to return a specified portion of a character string?  
(a) INSTR    (b) SUBSTRING  
☒ (c) SUBSTR    (d) POS
- (vii) When a user creates an object without a TABLE SPACE Clause, where will Oracle store the segment?  
☒ (a) System table space    (b) User table space  
☒ (c) Default table space for the user    (d) Oracle will give an error
- (viii) Which character is used to continue a statement in SQL\* Plus?  
(a) \*    ☒ (b) /  
(c) -    (d) @

2. What is SQL? Discuss its major advantages and disadvantages. Explain, in brief, SQL\* PLUS.

3. What is meant by 'Table spaces'? Explain stored procedure with suitable examples.

4. Differentiate between RDBMS and OORDBMS. Discuss the advantages and disadvantages of RDBMS.

P.T.O.

5. Discuss ORACLE <sup>data type</sup> internet data type. How can create, modify, and delete the table from the database.
6. What is the concept of library and alerts in developer 2000. Explain radio button list of values and menu.
7. What do you understand by GROUP BY function? Explain sub query, indexes, views and sequences.
8. What is transaction controls? Explain locks in the regards.
9. What do you mean by report? Describe the important components of reports.

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