

AJ-1602
PGDCA
Term End Examination, 2021-22
RDBMS (ORACLE)
(Paper-V)

Time : 3 hrs.]

[Maximum Marks : 100

Note : Answer any two questions from each unit and question number 1 is compulsory.

1. (a) Which of the following refers to 'data about data'?
 (1) Sub data (2) Warehouse (3) Data directory (4) Meta data.
- (b) Which of the following level of data abstraction describes how the data is actually stored?
 (1) Conceptual level (2) Physical level (3) File level (4) Logical level.
- (c) DBA refers to :
 (1) Data bank administrator (2) Data base administrator
 (3) Data bank analyzer (4) None of the above.
- (d) Rows are known as :
 (1) Degree (2) Tuphe (3) Entity (4) None.
- (e) Which type of data can be stored in the database?
 (1) Image data (2) Text data (3) Audio data (4) All of the above.
- (f) For designing a Normal DBMS, which of the following normal form is considered sufficient?
 (1) 4NF (2) 2NF (3) 3NF (4) 5NF.
- (g) The oldest database model is :
 (1) Network (2) Physical (3) Relational (4) Hierarchical.
- (h) Which of the following is not a outer join ?
 (1) Left outer join (2) Right outer join (3) Full outer join (4) Partial outer Join
- (i) To remove a relation from an SQL database we use command.
 (1) delete (2) remove (3) drop (4) group.
- (j) Which of the following is used to store movie and image files ?
 (1) Clob (2) Blob (3) Binary (4) Image.

[Unit-I]

2. What are distributed database ? Explain.
3. Explain data independence with suitable examples.
4. Explain ODBC.

[Unit-II]

5. What is UML ? Explain UML diagrams.
6. What are strong and weak entities ? Explain.
7. What are candidate key and primary key ? Compare them.

[Unit-III]

8. What are integrity constraints ? Explain.
9. Explain SET operations in relational algebra.
10. Explain stand alone and embedded query languages.

[Unit-IV]

11. Explain functional dependency and join dependencies.
12. Discuss problems in sequential file organization.
13. Explain Boyce codd normal form along with suitable examples.

[Unit-V]

14. What is query processing ? Explain.
15. Explain triggers with suitable examples.
16. What are assertions ? Explain.