Information Technology

Vision: To Visualize the creation of skilled, proficient IT professionals to meet current challenges.

Mission:
- To encourage young minds for training & entrepreneurship.
- To convey standard education with rapidly changing environment with ethical values.
- To provide an environment where students can continuously learn, apply & communicate knowledge.

Name Of Program :- Diploma in Information Technology
Date :-
Course Title :- Database Management (22416)- Sem IV (2022 -23)
Course Outcome :- CO
Chapter Name :- Creating Relational Database

Assignment No:-1

Q.1 Explain the term relational database.

Q.2 Explain the following terms:

    i) Attribute and table.

    ii) Column and Cardinality.

    iii) Domain and tuples.

Q.3 Define key.explain with example primary key,candidate key,super key,foreign key.

Q.4 What is relational algebra.Explain following operations of relational algebra

    Select,project,union,set difference,cartesian product,rename.

Q.5 Define SQL.Explain DML and DDL commands.

Q.6 Explain TCL and DCL commands.

Q.7 Explain use of data constraints.

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Course Title :- Database Management (22416)- Sem IV (2022 -23)
Course Outcome :- CO

Chapter Name :- Interactive SQL for data extraction.

Assignment No:-2

Q.1 Write notes on arithmetic operators,comparison operators and logical operators.

Q.2 Explain string functions and aggregate functions.

Q. 3 Write a short note on group by and order by clause.

Q.4 Describe commit,save point,rollback commands with example.

Q.5 Explain types of join.

Q.6 Give in detail Pattern matching operator Join.

Q.7 What is set transaction command.

Q.8 Give any 4 example of UPDATE command.

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Name Of Program :- Diploma in Information Technology   **Date :-**
Course Title :- Database Management (22416)- Sem IV (2022 -23)
Course Outcome :- CO
Chapter Name :- Advance features of SQL .

Assignment No:-3

Q.1 Write syntax for following:

   Create view for table.

   Drop view.

Q.2 Describe different types of Indexes with example.

Q.3 Write SQL Commands to perform square of user defined number.

   i)Create a view to fetch enrollment number,name and percentage from student table and name it as S_View.

   ii)Display record from S_View where percentage is greater than 60.

   iii)Delete view named as S_view.

Q.4 Give with example create synonym and drop synonym.

Q.5 Explain with example create sequence and drop sequence command.

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Name Of Program :- Diploma in Information Technology   **Date :-**
Course Title :- Database Management (22416)- Sem IV (2022 -23)
Course Outcome :- CO
Chapter Name :- PL/SQL Programming.

Assignment No:-4

Q.1 Draw block structure of PL/SQL.

Q.2 State advantages of PL/SQL.

Q.3 List any four statements of PL/SQL.

Q.4 Differentiate between PL/SQL function and procedure.

Q.5 Write a PL/SQL program to display 10 reverse numbers.

Q.6 Explain advantages of functions.

Q7 Explain different types of triggers.

Q.8 Give with example exception handling process.

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Name Of Program :- Diploma in Information Technology   **Date :-**
Course Title :- Database Management (22416)- Sem IV (2022 -23)
Course Outcome :- CO
Chapter Name :- Database security and transaction processing.

Assignment No:-5

Q.1 Describe ACID properties of Transaction.

Q.2 Define database backup.Describe how database helps to avoid failures.

Q.3 Explain grant and revoke commands.

Q.4 Explain different types of database users.

Q.5 Explain lock based concurrency control.

Q.6 What is transaction concurrency control.

Q7 Explain system privilages and object privilages.

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