



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 (22421)

Sem-IV (2023 -24)

Course Outcome :- DMA

Chapter Name :-

Creatingrelational database.

Assignment No:-1

Q.1 What is relational database.Explain with example.

Q.2 Define following terms

Tuple

Column

Cardinality

Attribute

Q.3 Explain following cardinality with example

One to One

One to Many

Many to One

Many to Many

Q.4 Explain in detail following relational algebra operations

Select operation

Cartesian product

Project operation

Q.5 Explain all DDL and DML commands.

Last Date of Submission :-1/2/2024

Course Coordinator :- Mrs. Samika Patil (SYIF)



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Name Of Program :- Diploma in Information Technolog **Date :-**
Course Title :- Database Management (22416)- Sem-IV (2023 -24)
Course Outcome :- CO
Chapter Name :- Relational data model.

Assignment No:-2

Q.1 Explain any 6 features of RDBMS.

Q.2 Explain all DDL commands in SQL.

Q. 3 Explain all DML commands in SQL.

Q.4 Explain comparison operators in detail.

Q.5 Explain set operators in detail.

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Name Of Program :- Diploma in Information Technolog

Date :-

Course Title :- Database Management (22416)

Sem IV (2022 -23)

Course Outcome :- CO

Chapter Name :- Interactive and Advanced SQL Performance Tuning .

Assignment No:-3

- Q.1 Explain Numeric or Arithmetic Functions.
 - Q.2 Explain Date and Time functions.
 - Q.3 Explain aggregate function in detail.
 - Q.4 Explain inner,outer joins.
 - Q.5 Explain the concept of views.
 - Q.6 Explain the concept of indexes.
-

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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.

Q.7 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.
- Q.7 Explain system privileges and object privileges.

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