D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS),VELLORE-1

ADVANCE DATABASE MANAGEMENT SYSTEMS

UNIT-I

Advantages and components of a database management systems-feasibility study-class diagram-data types-events-normal forms-integrity-converting class diagram to normalized tables-data dictionary.

SECTION-A 6 Marks

1. Explain in detail Database management system.
2. What are the feasibility study of DBMS.
3. What is the Components of DBMS.
4. Explain the classification of DBMS User.
5. Explain Class diagram with Example.

SECTION-B 15 Marks.

1. Explain in detail about Data Dictionary.
2. Explain in detail about datatypes-with Examples
3. Explain in detail about normalized tables.
4. Explain in detail about Events with suitable syntax.

Unit -II

Query Basics-Computation using queries- subtotal and groupby commands-queries with multiple tables-sub queries-joins-DDL & DML – testing queries.

SECTION-A 6 Marks

1. Explain in detail Set operation with examples.
2. Explain views.
3. Explain details about queries.
4. Explain in detail about Multiple tables.
5. Explain in detail about inner and outer joins.

SECTION-B 15 Marks

1. Explain in detail about GROUPBY.
2. Explain in detail about Queries with multiple tables.

3. Explain in detail about DDL and DML .
4. Explain in detail about Testing Queries.

UNIT -III

Effective Design of forms and reports-Form layout- creating forms-Graphical objects-reports –procedural languages-data on forms-program to retrieve and save data-error handling.

SECTION-A 6 Marks

1. Explain procedural languages.
2. Explain the various layout of forms.
3. Explain in detail retrieve the data.
4. Explain in detail about Reports.

SECTION-B 15 Marks

1. Explain detail about Forms and reports.
2. Explain in detail about Data on forms.
3. Explain Error handling.
4. Explain procedural languages with given examples.
5. Explain in detail about creating forms.

Unit -IV

Power of application structure-User interface features-transaction-forms events-custom reports-distributing applications-table operations- data storage methods-storing data columns-data clustering and partitioning

SECTION-A 6 Marks

1. Explain in detail storing data columns.
2. Explain in detail clustering and partitioning.
3. Explain data storage.

SECTION-B 15 Marks

1. Explain in detail about application structure.
2. Explain in detail about Table operations.
3. Explain in detail Data clustering and partitioning.

4. Explain in detail data storage methods.

Unit-V

Database administration-development stages-application types-backup and recovery-security and privacy-distributed database-clienct/server database-web as a client/server system- object oriented databases-integrated applications.

SECTION-A 6 Marks

1. Explain in detail application types.
2. Explain in detail development stages.
3. Exlain in detail build-in-functions.

SECTION-B 15 Marks

1. Explain in detail about backup and recovery.
2. Explain in detail about client/server.
3. Explain in detail about integrated applications.
4. Explain in detail about security and privacy.