(CSC N 3305)

B.Sc. Degree (CBCS) Examinations

FEBRUARY- 2022

EXAMINATION AT THE END OF III SEMESTER

PART - II COMPUTER SCIENCE

DATABASE MANAGEMENT SYSTEMS

TIME :Three hours | Maximum : 60 Marks

SECTION-A

Answer any FIVE of the following questions **5X4=20M**

1. Write about Advantages of DBMS?
2. What is Data and Information?
3. Explain about Entity sets?
4. What is Relationship? Explain Relationship Degree in details.
5. Explain about relational Calculus? Explain Tuple and Domain relational calculus.
6. Explain about various Keys and their characteristics?
7. Explain about Aggregate Functions in SQL?
8. Explain about Data types in SQL?
9. Explain about Cursor concept in PL/SQL?
10. Explain about Exception handling in PL/SQL?

SECTION-B

Answer ALL of the following questions **5X8=40M**

11. A). What is Data Model? Explain types, and advantages of Data model.

(OR)

B). Explain about Three-Level Architecture of DBMS?

12. A). Define ER and Explain about ER-Model in detail?

(OR)

B). Explain about Generalization and Specialization with suitable examples?

13. A). Explain about Relational Operator in Relational Algebra with examples?

(OR)

B). Explain about EF Codd's Relational Database Rules?

14. A). Explain aboutDDL, DML and DCL commands with suitable examples?

(OR)

B) Explain about different types of joins in SQL?

15. A). Explain about Control structures of PL/SQL?

(OR)

B). Define Function and Explain function with suitable examples using PL/SQL?

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(DCSC N 4354-1)

B.Sc(DSCS) Degree (CBCS) Examinations, JULY -2022

IV SEMESTER

DATA MINING AND DATA ANALYSIS

TIME : 3.00 Hours | Maximum : 60 M

SECTION-A

Answer any five of the following questions. **5X4=20M**

1. Explain the difference between KDD and data mining?
2. Write about data mining knowledge representation?
3. Explain about data transformation?
4. What is data cleaning?
5. Write about general approach to solve a classification problem.
6. Explain about measures for selecting the best split
7. Explain about Rule Based classification
8. Write about support vector machines
9. Explain about neural network approach?
10. Explain about expectation maximization?

SECTION-B

Answer the following questions **5X8=40M**

11. A) Explain data mining techniques?

(OR)

B) Explain the stages of the Data mining process/KDD process?

12. A) Explain mining frequent patterns association?

(OR)

B) Explain what is data pre processing? Explain in detail?

13. A) How to evaluate the performance of classifier?

(OR)

B) Explain about methods of expressing an attribute test conditions?

14. A) Explain about Bayesian classification?

(OR)

B) Discuss the classification of back propagation?

15. A) Explain about sting method and also advantages and disadvantages?

(OR)

B) Explain about Density based clustering method?

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(CSC 5305-5)

B.Sc. (MPM) (CBCS) Examinations

OCTOBER - 2019

EXAMINATION AT THE END OF SEMESTER- V

PART - II COMPUTER SCIENCE

DATA BASE MANAGEMENT SYSTEM

TIME : Two and half hours Maximum : 60 Marks

Section – A (5X4=20 marks)

Answer any five of the following

1. What is data and information?
2. What are the Characteristics of DBMS Approach?
3. Explain how to reduce the ERD into tables
4. What is Entity Clustering? Explain in detail with n example
5. Explain about various keys and their characteristics.
6. Explain QBE.
7. Explain constraints in SQL.
8. What are the data types in a Sql.
9. Write steps to create a cursor.
10. Explain database triggers.

Section – B (5X8=40 marks)

Answer any one question from each unit

UNIT 1

11. Explain the Architecture of DBMS

(OR)

12. What is a Data model? Explain advantages and disadvantages of data model.

UNIT 2

13. What is the difference between Partial Completeness and Total Completeness?

(OR)

14. Explain Generalization and Specialization, Aggregation and composition.

UNIT 3

15. Explain EF Codd's Relational Database Rules

(OR)

16. Discuss about Relational Algebra Operators with examples?

UNIT 4

17. Discuss about sub queries, nested queries and correlated sub queries

(OR)

18. Explain DDL Commands in Sql with examples

UNIT 5

19. Explain control structures in PL/SQL?

(OR)

20. Explain Packages concept in PL/SQL

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(CSC 5305-5)

B.Sc. (MPCS,MSCS,MECS) (CBCS) Examinations

MARCH - 2021

EXAMINATION AT THE END OF SEMESTER- V

PART - II COMPUTER SCIENCE

DATA BASE MANAGEMENT SYSTEM

TIME : Three hours Maximum : 60 Ma

SECTION – A

Answer any FIVE questions **5x4M = 20M**

1. Define the following
   i. Database ii. Database Management Systems
2. What is file processing system? Explain its drawbacks.
3. Explain how to reduce ER diagram into tables
4. Explain advantages of ER Model
5. Explain Relational data model
6. What is relational calculus? Explain tuple and domain relational calculus
7. Explain data types in SQL
8. Explain aggregate functions in SQL
9. Explain Exception handling in PL/SQL
10. Explain procedure concept in PL/SQL

SECTION – B

Answer ALL questions **5x8M = 40M**

11. a). Explain the Architecture of DBMS

    (OR)

    b) What is data model? Explain different data models in DBMS.

12. a) Explain generalization and specialization, Aggregation and composition

    (OR)

    b) Explain building blocks of ER diagram

13. a) Explain Dr. E.F. CODD relational database rules.

    (OR)

    b) What is integrity constraints? Explain different integrity constraints in relational model

14. a) Discuss about nested and correlated nested queries with suitable examples.

    (OR)

    b) Explain different types of joins available in sql

15. a) Explain control structures in PL/SQL.

    (OR)

    b) Explain packages concept in PL/SQL

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