

COMPREHENSIVE CONCURRENT EVALUATION

Important Instruction:

1. The subject is evaluated based on four components:

Sr. No	Components	Submission Date	Marks
1.	Written Home Assignment	30 th November 2021	25
2.	Theoretical Questions & Presentation	15 th December 2021	25
3.	Presentation	4 TH January 2022	25
4.	MCQ Based Online Test	11 th January 2022	25
	Total Marks		100

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Component 1: Written Home Assignment

Submission date: 30th November 2021

Unit 1: File structure and organization

1. What are logical and physical files?
2. What is file organization? Explain the sequential file organization.

Unit 2: Database Management system.

1. What do you mean by data model? Explain entity relationship data model with example.
2. Differentiate between Network model and Relational model.

Unit 3 : Relational Model

1. Define:

A. Primary Key.

B. Foreign Key.

2 Define the term.

A. Candidate Key.

B. Super Key.

Unit 4: SQL

1. List out various DDL commands. Explain any one with example.

2. Explain aggregate function in sql.

Unit 5: Relational Database Design

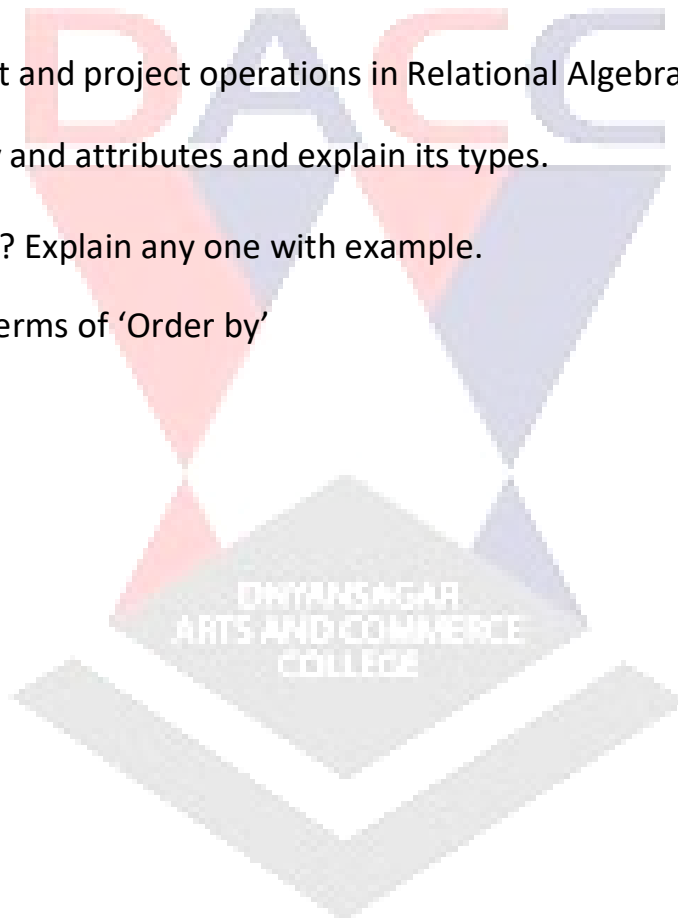
1. Define terms RDBMS

2. Define Redundancy, data integrity.

Component 2: Theoretical Questions & Presentation

Submission Date: 15th December 2021

- A. Explain the role of a DBA.
- B. Write a short note on Data Abstraction
- C. Write a note on Relational model and Hierarchical model.
- D. Explain select and project operations in Relational Algebra.
- E. Define entity and attributes and explain its types.
- F. What is DML? Explain any one with example.
- G. Explain the terms of 'Order by'



Component 3: Presentation

Submission Date: 4TH January 2022

1. Prepare the PowerPoint Presentation on following topic
(select only one of them)

- 1) Normalization
- 2) Role of DBA
- 3) DML
- 4) DDL
- 5) Keys
- 6) Create ,update,detele,drop the table.

Paste all the pictures related topic (Slides must be in between 10 – 20)

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