PRESIDENCY UNIVERSITY
BENGALURU

RESEARCH AND DEVELPMENT

Ph.D. Course Work

Mid-Term Examinations- AUGUST 2024

Odd Semester: Ph.D. Course Work 2024 - 25   **Date: 12/08/2024**

Course Code: CSE904   **Time: 02:00pm – 03:30pm**

Course Name: Advanced Database Management Systems   **Max Marks**: 50

Department: Computer Science and Engineering   **Weightage**: 25%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Do not write any matter on the question paper other than roll number.

PART A (THOUGHT PROVOKING)

Answer all the Questions. Each question carries 5 marks.   **(4Qx 5M= 20M)**

1. Explain the possible outcomes, Parallel query optimizations and its advantages?
   (CO: 01 BL: 01)

2. Discuss the motives behind the role of recovery subsystem in a distributed environment?
   (CO: 01 BL: 02)

3. Illustrate the centralized and distributed client-server architectures in parallel databases.
   (CO: 01 BL: 04)

4. Summarize the different Threats to databases in a distributed environment?

   (CO: 02 BL: 02)

PART B (PROBLEM SOLVING)

Answer all the Questions. Each question carries 10 marks.   **(3Qx 10M= 30M)**

5. Discover the various Counter measures to deal with these problems. (CO: 02 BL: 03)

6. Demonstrate the Multimedia database applications, Spatial databases in detail.
   (CO: 03 BL: 02)

7. Explain the Three-Tier Client/Server Architecture in distributed databases in detail.

   (CO: 01 BL: 01)