Roll No. ....

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MCA (Sem. - 4ᵗʰ)
RDBMS - II
SUBJECT CODE : MCA - 401 (N2)
Paper ID : [B0115]

[Note : Please fill subject code and paper ID on OMR]

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Time : 03 Hours   Maximum Marks : 60

Instruction to Candidates:

1) Attempt any one question from each Sections **A, B, C & D**.

2) Section - E is **Compulsory**.

3) Use of Non-programmable **Scientific Calculator** is allowed.

Section - A

(1 x 10 = 10)

Q1) Explain the Database Life Cycle (DBLC) in detail.

Q2) How Testing and Evaluation of Databases can be performed? Explain it.

Section - B

(1 x 10 = 10)

Q3) Write difference between Centralized and Decentralized Design of databases.

Q4) Explain various Locking Methods in detail.

Section - C

(1 x 10 = 10)

Q5) Explain the implementation issues of Client Server architecture.

Q6) What do you understand by Think Client and Fat Client? Explain with help of suitable example.

Section - D

(1 x 10 = 10)

Q7) Write down the different types and significance of Decision Support Systems.

Q8) What are evaluation techniques of Data warehouses?

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Section - E

Q9) (10 x 2 = 20)

a) What do you understand by Degree of Data Abstraction?

b) How databases can be loaded?

c) What is a Transaction?

d) What is concurrency control?

e) Write the use of Optimistic Method for databases.

f) How DDBMS is different from RDBMS systems?

g) What do you understand by SPSD (Single - Site Processing, Single-Site Data)?

h) What is a Client?

i) Define a Data Warehouse.

j) What is the meaning of operational Data?