

Mid-West University
Examinations Management Office
Surkhet, Nepal
Final Examinations -2079

Bachelor level/ B.Sc. CSIT /4th Semester
Time: 3hrs

Full Marks: 60
Pass Marks: 30

Subject : Database Management System (COM442)

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group 'A'

Very short Questions (Attempt all)

[8x2=16]

1. Define Database Administrator.
2. Define primary and foreign key in database.
3. Write down the SQL Command for Select different fields from the table 'STD' where 'ADD' is surkhet.
4. Define Project Operation (Π).
5. What do you mean by Retrieval and Updates of Views?
6. Define Decomposition.
7. Explain the States of Transactions.
8. What is Discretionary Access Control?

Group 'B'

Short Questions (Attempt any five)

[5x4=20]

9. Explain Closure of a Set of Dependencies.
10. Write the necessary steps to replace the manual system by computerize database system in any organization.
11. Explain the different type of SQL command.
12. Explain the different type of integrity constraints.
13. Explain the different type of lock protocols.
14. Write notes on entity, attribute & its types.

Group 'C'

Long Questions (Attempt any three)

[3x8=24]

15. Explain briefly about data model with its types.
16. What is Relationship? Explain its type with example.
17. What is Relational Calculus? Explain its two forms.
18. Define Data Normalization? Explain the different type of Normal Form.

THE END