K26FY1337 Pages: 1 Reg No:.....
Name:.....

Second Semester FYUGP Degree (Reg/Sup/Imp) Examination April 2026

KU2DSCCSC109 - DATA MANAGEMENT PLATFORM

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What is a foreign key constraint?
2. What is a primary key in SQL?
3. What are the different types of cardinality constraints?
4. What is the difference between an entity and an attribute?
5. What is a transaction in DBMS.?
6. Define data model in DBMS.
7. What does the ORDER BY clause do in SQL?
8. What is a join in SQL?

Section B

Answer any 4 questions. Each carry 6 marks.

9. What is TransactionManagement ? Explain the ACID property
10. Explain the role of database in modern application and industries
11. What are the advantages of DBMS?
12. EXplain the different types of aggregate functions in SQL.
13. Explain the Cartesian Product and Natural Join operations in relational algebra .
14. Explain different types of joins in Sql with examples.

Section C

Answer any 1 questions. Each carry 14 marks.

15. (a) Create a table for a library management system with all constraints.(7 marks)
    (b) Explain DDL commands with example.(7 marks)
16. (a) Explain the key components of an ER model with examples and diagrams.
    (b) Discuss different types of attributes in an ER model and their significance.

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