

Time: 1 hr.

Marks:30

Note: All questions are compulsory.
Draw neat diagrams wherever necessary.
Figures to the right indicate full marks.

- Q.1 Answer the following. (Any TWO) [10]
- (a) How do you insert data into a table? Provide examples.
 - (b) Explain GROUP BY and HAVING clauses in SQL.
 - (c) Define following math functions with syntax and example:-
 - i) now()
 - ii) datediff()
 - (d) What are different advantages of a Database Management System (DBMS)?
- Q.2 Answer the following. (Any TWO) [10]
- (a) Define following string functions with syntax and example:-
 - i) strcmp()
 - ii) concat()
 - (b) How to create a table with integrity constraints?
 - (c) What are the key security mechanisms for protecting databases?
 - (d) What is DML in SQL, and what are its key operations?
- Q.2 Answer the following. (Any TWO) [10]
- (a) Explain how to create and use a database using DDL statements.
 - (b) What is Data? What are different types of data?
 - (c) Define entities, attributes, and entity sets.
 - (d) What is the IN clause and BETWEEN clause in SQL?

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