

April 2024

Time - Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART - A

1. What is ER diagram?
2. What are the characteristics of Big Data?
3. Write a query for a select command.
4. What is the use of SHOW command?
5. What is the difference between Truncate command and delete command?
6. List out various flow control commands used in MySQL.
7. List out joins types.
8. What is the use of revoke command?
9. Define Cursor.
10. How do you perform Closing Connections?

[Turn over...

PART – B

11. A) Explain about the overall architecture of the DBMS with its diagram.
(Or)
B) Illustrate with neat diagrams about the Hierarchical Database Model and Network Database Model.
12. A) Explain about CODD's Rules.
(Or)
B) List out and define three Normal forms. Explain with an example.
13. A) Explain about Data Retrieval Commands and write example queries.
(Or)
B) Explain about Built-in Functions used in MYSQL with examples.
14. A) Explain about Composite Index, Dropping Index and Dropping sequence.
(Or)
B) Explain commit, rollback and save points transaction management commands with examples.
15. A) (i) How to create a stored procedure and explain with an example. (7)
(ii) Explain about Trigger with an example. (7)
(Or)
B) Explain about MySQL Application Program Interfaces for web programming.
