

October 2023

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. List the functions of Database.
2. State the applications of Data Mining.
3. Define rows with example.
4. What is the use of SHOW command?
5. What is the use of aggregate Functions?
6. What are correlated sub queries?
7. Define the types of Joins.
8. What is the use of Grant Permission?
9. Define Trigger.
10. What are the factors to be considered for API Selection?

PART - B

11. (a) Explain about the overall architecture of the DBMS with Diagram.

(Or)

(b) Explain E-R Diagram with example.

12. (a) Explain Normal Forms with example.

(Or)

(b) List the commands used in MySQL admin with example. State the difference between SQL and MySQL.

13. (a) (i) Explain Data Retrieval Commands with Example. (7)

(ii) Write short notes on Arithmetic Operators with example. (7)

(Or)

(b) Explain about flow control statements in MySQL with example.

14. (a) Explain about unions and its types with example.

(Or)

(b) (i) Write a short note about leftmost indexing with example. (7)

(ii) Write short notes on creating and updating views with example. (7)

15. (a) Explain about creation of stored procedures and stored functions with example.

(Or)

(b) Explain about MySQL with PHP using an example.

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