

585

Register No.:

**April 2018**

*Time – Three hours  
(Maximum Marks: 75)*

*[N.B: (1) Q.No. 8 in PART – A and Q.No. 16 in PART – B are compulsory.  
Answer any FOUR questions from the remaining in each PART – A  
and PART – B*

*(2) Answer division (a) or division (b) of each question in PART – C.*

*(3) Each question carries 2 marks in PART – A, 3 marks in Part – B and  
10 marks in PART – C.]*

PART – A

1. List down any two characteristics of the database.
2. What are hybrid database?
3. Give the syntax of USE command.
4. What is an aggregate function?
5. What is a natural join?
6. What is a MySQL storage engine?
7. List down the various API's of MySQL.
8. List down the differences between MySQL and NoSQL.

PART – B

9. What is the difference between SQL and MySQL?
10. Discuss about pattern matching in MySQL.
11. Give the syntax for iterate command.
12. What is a sequence? Give the syntax for creating a sequence.
13. What is a transaction? With example explain the syntax of a grant command.
14. Explain briefly about amazon simple DB.
15. Explain about the various advantages of data mixing.
16. What is query optimization? Give the syntax for EXPLAIN command.

PART - C

17. (a) (i) Explain the hierarchical database model with example.  
(ii) Write short notes on backup and recovery.  
(Or)
- (b) What is normalization? Explain the three normal forms with example.
18. (a) (i) Explain briefly about the various methods of accessing MySQL.  
(ii) Explain CASE structure with example.  
(Or)
- (b) Explain the various MySQL commands used for creating, selecting and backingup databases with example.
19. (a) (i) Explain the various types of keys used in MySQL.  
(ii) What is a view? How will you create, update and delete views.  
(Or)
- (b) (i) What is indexing? What are the different types of indexing?  
(ii) What is a join? Explain natural join and self join with example.
20. (a) (i) What is a MySQL storage engine? Explain briefly about the different types of storage engines.  
(ii) What is a trigger? Explain trigger creation with example.  
(Or)
- (b) Explain in detail about creating, invoking and dropping procedures with example.
21. (a) (i) What is data warehousing? What are the various functions of a data warehouse.  
(ii) Explain briefly about column oriented data store and graph store.  
(Or)
- (b) (i) Explain in brief, the various data mining concepts.  
(ii) Briefly explain how NoSQL is used in the cloud.

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