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C16-CM-IT-305

6231

BOARD DIPLOMA EXAMINATION, (C-16)

AUGUST/SEPTEMBER—2021

DCME - THIRD SEMESTER EXAMINATION

DATABASE MANAGEMENT SYSTEMS

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer all questions.

(2) Each question carries three marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List the advantages of database systems.
2. What is weak entity? Give example.
3. Define the terms super key, candidate key and primary key.
4. List the different DDL commands.
5. What are the differences between var and var chr2 data types?
6. Write the benefits of SQL.
7. Define exception. List its types.
8. Compare RDBMS and NOSQL.
9. Write the applications of MONGODB.
10. List the different commands in MONGODB.

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* PART—B

- Instructions : (1) Answer *any* five questions.
(2) Each question carries ten marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

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| 11. | List data models in DBMS and explain about network and hierarchical models in detail. | 10 |
| 12. | Explain procedure for creating, altering and dropping of tables. | 10 |
| 13. | Explain various SQL data functions with examples. | 10 |
| 14. | (a) Explain various data types available in SQL. | 5 |
| | (b) Write short notes on document oriented database. | 5 |
| 15. | (a) Draw the block diagram of PL/SQL engine. | 5 |
| | (b) Explain the features of PL/SQL. | 5 |
| 16. | Explain different looping statements with examples. | 10 |
| 17. | (a) Write short notes on classification of databases. | 5 |
| | (b) Write short notes on key-value stored databases. | 5 |
| * 18. | Explain the procedure for sorting the documents in MONGODB with examples. | 10 |

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