

No. of Printed Pages : 4 180843/170843/120843/030843
Roll No.

4th Sem./ Comp, IT, CNC, CAD/CAM
Sub : Database Management System/RDBMS

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 What is the full form of DDL
a) Data Definition Language
b) Data Derivation Language
c) Dynamic Data Language
d) Detailed Data Language
- Q.2 What is row of a relation known as
a) Degree b) Entity
c) Tuple d) Entity Type
- Q.3 Which normal form deals with Multivalued Dependency
a) 1NF b) 2NF
c) 3NF d) 4NF
- Q.4 Which one of the following key is used to represent relation between the two tables
a) Primary key b) Foreign key
c) Candidate key d) Super key

- Q.5 Which command is used to modify a column in the table
a) Alter b) Delete
c) Drop d) Insert
- Q.6 E-R model is a type of
a) Record based Model b) Object based Model
c) Physical Model d) None of the above
- Q.7 To give permission to access a database which command is used
a) Grant b) Revoke
c) Commit d) Permit
- Q.8 Tool developers are
a) Controllers b) Naive User
c) Actors on Scene d) Workers behind the Scene
- Q.9 The overall description of a database is known as
a) Instance b) Schema
c) Snapshot d) View
- Q.10 Which one of the following command is used to restore the database
a) Savepoint b) Commit
c) Rollback d) Grant

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Section-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define database.
- Q.12 Define Record.
- Q.13 What is the purpose of Commit Command.
- Q.14 Expand DCL.
- Q.15 Expand SQL.
- Q.16 What is functional dependency.
- Q.17 Define normalisation.
- Q.18 Define Primary Key.
- Q.19 Who is an End User.
- Q.20 Name any two DML Commands.

Section-C

Note: Short answer type Question. Attempt any twelve questions out of fifteen Questions. (12x5=60)

- Q.21 Explain the components of a Database system.
- Q.22 Write a short note on Big Data.
- Q.23 Write the advantages of a database system.
- Q.24 Explain the types of End Users.
- Q.25 Write the functions of a DBA.
- Q.26 Explain types of relationships among the entities.

(3) 180843/170843/120843
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- Q.27 Explain Hierarchical Model.
- Q.28 What is ER Diagram. Draw various symbols used in it.
- Q.29 Define View. What are its uses. How it is created.
- Q.30 Explain the components of SQL.
- Q.31 Explain Data Independence.
- Q.32 Write the anomalies in a file processing system.
- Q.33 Difference between DBMS & RDBMS.
- Q.34 Explain BCNF.
- Q.35 Explain Cardinality Ratio.

Section-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x10=20)

- Q.36 Classify DBMS Users.
- Q.37 Explain following commands a) Create b) Insert
c) Delete d) Select e) Describe
- Q.38 Explain DBMS Architecture.

(1460)

(4) 180843/170843/120843
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