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Roll No. /030843

4th Sem / Comp, IT, CNC, CAD/CAM
Subject:- Database Management System /RDBMS

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 DDL Stands for
a) Data Domain Language
b) Data Definition Law
c) Data Definition Language
d) None of the above
- Q.2 GRANT and REVOKE are
a) DDL b) DML
c) DCL d) None of the above
- Q.3 Which one is not a type of data independence
a) Physical b) Logical
c) External d) None of them
- Q.4 Components of E-R Model are
a) Diagram, relationship, key
b) Entity set, Relationship set, Key set
c) Entity set, Relationship set, Attributes
d) None of them

- Q.5 Which one is not a mapping constraint?
a) One to One b) One to Two
c) One to Many d) Many to One
- Q.6 The column in a table is called
a) Attribute b) Tuple
c) Domain d) None of these
- Q.7 REVOKE command
a) Gives permission
b) Removes permission
c) Confers authorization
d) None of these
- Q.8 Full form of SQL
a) Simple query Language
b) Structured query Language
c) System query Language
d) None of these
- Q.9 The normalization minimizes
a) Attributes b) Tuples
c) Redundancy
- Q.10 DBA Stands for
a) Database Access
b) Database Administrator
c) Database Authority
d) None of the above

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SECTION-B

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

- Q.11 Data is the collection of _____
- Q.12 Full form of DBMS is _____
- Q.13 The lowest level schema is called _____
- Q.14 Define entity
- Q.15 The symbol for relationship in E-R diagram is _____
- Q.16 Two types of functional dependencies are trivial and _____
- Q.17 Enlist two Examples of generating Big Data?
- Q.18 Derived attribute is _____
- Q.19 SQL Stands for _____
- Q.20 Row in a table is called _____

SECTION-C

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

- Q.21 Compare between conventional system and database system.
- Q.22 Explain various notations used in ER diagram
- Q.23 Explain various Mapping constraints
- Q.24 Explain Menu Based Interface and Form Based Interface
- Q.25 Write down the advantages of stored procedures.
- Q.26 Explain briefly about data base security.

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- Q.27 Give job and responsibilities of DBA.
- Q.28 Explain the concept of trivial and non-trivial dependencies
- Q.29 Explain terms, Entity, attributes, Entity types and Entity sets with examples
- Q.30 Give five differences between DBMS & RDBMS
- Q.31 Discuss various data types in SQL
- Q.32 Discuss the various advantages of stored procedures
- Q.33 State properties of Boyce Codd Normal Form
- Q.34 What is meant by a key. Differentiate between primary and foreign key with example
- Q.35 Define in following :-
 - a) Attribute b) Relation
 - c) Tuple d) Null

SECTION-D

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

- Q.36 Explain DDL, DML, DCL with example.
- Q.37 Explain DBMS architecture with three levels.
- Q.38 Explain normalization. Why we need it. Explain various normal forms.

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