MBA237D - Group D : Information Technology Management : Database Management Systems

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GUG/W/16/3011

Time : Three Hours

Max. Marks : 70

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Notes :   1.   Attempt **any five** questions.
          2.   All questions carry equal marks.

1.	What is database management system? Describe various DBMS models.	**14**
2.	What is normalization? Discuss the types of normal forms.	**14**
3.	Write the aspects of ER modeling. Explain practical applications of ER modeling.	**14**
4.	Discuss the benefits and elements of SQL languages.	**14**

5.   Write notes on.   **14**
   a)   Relational Algebra
   b)   Relational Calculus

6.	Explain DDL & DML commands in brief.	**14**
7.	What is Data mining? Write its applications and functions.	**14**
8.	What do you understand by object technology? Write in brief about OODBMS.	**14**
9.	Discuss the various Database securities in DBMS.	**14**

10.   Write short notes on **any two.**   **14**
   a)   Multimedia Database.
   b)   Encapsulation.
   c)   Web data analysis.
   d)   Digital Signature.

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