



Printed Pages : 2

MBAIT01(N)

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 7127

Roll No.

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M.B.A

**(SEM III) ODD SEMESTER THEORY EXAMINATION 2009-10
DATABASE MANAGEMENT SYSTEM**

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions.

1 Attempt any **four** parts of the following : **5×4**

- What is data redundancy ?
- In what situation are 'nulls' used ?
- What is referential integrity ?
- What are the differences between unary and binary arithmetic operations ?
- What is static query optimisation ?
- What is security audit ?

2 Attempt any **two** parts of the following : **10×2**

- What are database constraints ? What are the functions of a DBMS ?
- What are functional dependencies ? What is its importance in database design and data modelling ?
- Compare and contrast between the different database models.

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- 3 Attempt any **two** parts of the following : **10×2**
- (a) What is a relational database ? When can we say that a database implementation is fully relational ?
 - (b) What are the different types of relations between the entities in a relational database ? What is normalization ?
 - (c) What is a data warehouse ? What are the various phases in the construction of a data warehouse ?
- 4 Attempt any **two** parts of the following : **10×2**
- (a) Explain with examples, data manipulation language (DML) commands.
 - (b) What are the advantages of creating views ? How are they updated ?
 - (c) Why do we need to join ? What are aliases and why are they used ?
- 5 Attempt any **two** parts of the following : **10×2**
- (a) Explain the potential threat points in a database system.
 - (b) What is database backup ? Why should database backup be planned ?
 - (c) What is remote access ? What is the difference between private, public and shared data ?
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