

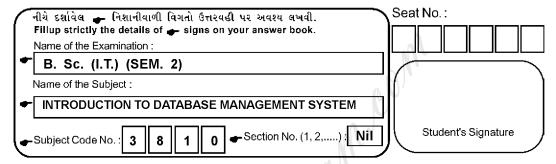
## SD-3810

## B. Sc. (I.T.) (Sem. II) Examination April / May – 2011

## Introduction to Database Management System

Time: 3 Hours] [Total Marks:70

## **Instruction:**



1 Do as directed: (any two)

- 14
- (i) Define Data, Database, DBMS Database Administrator. Explain Database Administrator in detail.
- (ii) Compare Record Base, Network and Hierarchical Model with suitable example and figure.
- (iii) DBMS system structure in detail with figure.
- 2 Do as directed: (any two)

14

- (i) Define Entity, Entity Set and explain the ER diagram for Hospital Management System.
- (ii) Explain Super Key, Candidate Key, Primary Key and Foreign Key with appropriate example?
- (iii) Explain drawbacks of typical file processing system with suitable example ?
- 3 Do as directed: (any two)

14

- (i) Which are the different clauses users interacts with the DBMS system?
- (ii) Define Domain, Referential and Assertion constraints with example.
- (iii) Explain the use of DML with different clause and types of DML.

SD-3810] 1 [Contd...

Do as directed: (any two) 4

- 14
- Explain Object Oriented Model with example. (i)
- (ii) Explain Database User in detail.
- (iii) Define DDL and DML. Differentiate DDL and DML?
- 5 Do as directed: (any two)

**14** 

- Define Form? Explain steps to create From in detail. (i)
- elationship Define Data Abstraction and Data Independence. Explain (ii)with suitable example.
- (iii)Explain types of Attributes, Relationship and mapping cardinality.

**SD-3810**]  $\mathbf{2}$ [ 200 ]