

**M.B.A. (GEN.) / M.B.A. (HR) SEMESTER - III (2012
COURSE)(CHOICE BASED CREDIT SYSTEM) / M.B.A. (FM)
SEMESTER - III (2013 (CHOICE BASED CREDIT SYSTEM) :
WINTER - 2017**

SUBJECT : ELECTIVE – II: DATABASE MANAGEMENT (ITM)

Day : **Monday**
Date : **18/12/2017**

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 100

W-2017-1778

N.B.:

- 1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** Explain three tier architecture of DBMS and state how it helps to achieve data independence. **[15]**
- Q.2** What do you understand by Enhanced – ER Diagrams? Explain the concepts of Aggregation and Specialization with example. **[15]**
- Q.3** What is SQL? Explain the concept of DDL, DML and DCL with examples. **[15]**
- Q.4** What are Subqueries? Explain its applications. **[15]**
- Q.5** Write short notes on the following: **[15]**
- a) Data Dictionary
 - b) Arithmetic and logical operators in SQL
 - c) Strong and weak entities

SECTION – II

- Q.6** Draw an Entity Relationship Diagram for Library Management System. Make necessary assumptions wherever necessary. **[20]**
- Q.7** What is Normalization? Explain the role of functional dependencies in the process of normalization with an example. **[20]**
- Q.8** Write SQL commands for the following:
- a) Create following tables with proper constraints. **[05]**
Course (Cid (P.K), CName, CDuration).
Student (Sid (P.K), Name, Address, City, Cid (F.K.)
 - b) Insert 2 records in each table. **[04]**
 - c) Display all students with their course name. **[03]**
 - d) Display all students who belongs to city Pune. **[02]**
 - e) Display total number of students pursuing MBA course. **[03]**
 - f) Create view Student_View with Sid, Name and City columns. **[03]**

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