

**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 - 2018
SUBJECT: ELECTIVE – II: DATABASE MANAGEMNET
(Information Technology Management)**

Day: Monday
Date: 24/12/2018

W-2018-2031

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

N.B.:

- 1) Attempt any **FOUR** questions from section –I and any **TWO** questions from Section –II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SEPARATE** answer book.
- 4) Assume suitable data if necessary.

SECTION-I

- Q.1** What is Schema and Instance? Explain three levels of abstraction of data. (15)
- Q.2** What are strong and weak entities? Discuss how ER diagrams are converted into tables? (15)
- Q.3** Discuss various types of keys. Explain various Integrity constraints. (15)
- Q.4** Explain concept of DDL, DML and DCL. Give in short logical operations supported by SQL. (15)
- Q.5** Write short notes on Any **TWO**: (15)
- a) Creating views
 - b) Normalization
 - c) Concept of Data and Information

SECTION- II

- Q.6** In a Nursery, the plants are sold to the customers. These plants are flowering and non-flowering only. Nutrients are given to the plant with some quantity . Nutrients includes pesticides, watering and manure. Write down all entities and relationship between them. Draw an ERD. (20)
- Q.7** Student (Stud_Lib_Card_No, Sname, Class) (20)
Book(Book_id, Category, title, author, price)
Book_issue(Book_id,Stud_Lib_Card_No,Issue_Date,retrun_date,
Fine_charged, Fine_Paid) .
Write SQL statement for following by considering the above tables.
i) Create above three tables with proper constraints (Primary key, Foreign key)
ii) Insert appropriate data in the above tables.
iii) Display all books written by author Kumar.
iv) Display name of the students with issue books.
v) Find the students who has paid maximum fine.
- Q.8** Explain following SQL functions with appropriate examples: (20)
- | | | |
|------------------|----------------|-----------------|
| i) To_Number () | ii) Round() | iii) Initcap() |
| iv) Upper() | v) Next_day() | |

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