

**M.B.A. (IT) Sem- II (2012 COURSE)(CHOICE BASED CREDIT
SYSTEM) : SUMMER - 2019
SUBJECT: DATABASE MANAGEMENT**

Day : **Saturday**
Date : **20/04/2019**

S-2019-2339

Time : **02.00 PM TO 05.00 PM**
Max. Marks : **100**

N.B.:

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

- Q.1** What is Database Schema? What is difference between External and Internal Schema? [15]
- Q.2** Explain DDL, DML and DCL in detail. [15]
- Q.3** What is Normalization? Explain all Normal forms. [15]
- Q.4** What are cursors? Compare implicit and explicit cursors in detail. [15]
- Q.5** Write short notes on **ANY THREE** of the following: [15]
- a) View
 - b) joins
 - c) Data Independence
 - d) Integrity Constraints

SECTION – II

- Q.6** a) Write PL / SQL block to check whether an entered character is vowel or not? [10]
- b) Explain any five date function with example. [10]
- Q.7** a) How the exceptions are handled in PL / SQL. [10]
- b) Illustrate union, intersect and minus with example. [10]
- Q.8** Consider the following table and solve the following queries:
Student (RollNo, SName, Course, Fees)
Books(BNo, BName, price, Author)
Issue(RollNo, BNo, IssueDate, ReturnDate)
- a) Create above tables use appropriate data type and insert few records. [05]
 - b) Alter table and apply primary key to Rollno. column. [03]
 - c) Add new column year with data type number. [03]
 - d) Display the Name of books written by “Kanitkar” [03]
 - e) Display the name of student who issued the book “Introduction to DBMS”. [03]
 - f) Display number of books issued today. [03]

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