

M.B.A. (IT) SEM- III (2012 COURSE)(CHOICE BASED CREDIT SYSTEM) : SUMMER - 2018

SUBJECT: ELECTIVE – II : DATABASE MANAGEMENT – II (ITM)

Day: **Monday**
Date: **04/06/2018**

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

S-2018-1965

N.B.

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

SECTION - I

- Q.1** Explain the database management system architecture in detail. **(15)**
- Q.2** Explain the concept of concurrency control. Which concurrency problems can arise if one transaction is reading and another is updating the data? **(15)**
- Q.3** Discuss in details database security issues and their challenges. **(15)**
- Q.4** Explain locking techniques. Also discuss their types. **(15)**
- Q.5** Write short notes on any **THREE** of the following **(15)**
- a) E – R diagram
 - b) Serializable transactions
 - c) Object relational model
 - d) Triggers and their types

SECTION – II

- Q.6** What is cursor? Discuss various types of cursor in detail. **(20)**
- Q.7** Explain the GRANT and REVOKE commands with example. **(20)**
- Q.8** Explain in details features of objects and also discuss their types. **(20)**

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