Roll No. ....

24162

B. Tech. 4th Semester (CSE)

Examination – May, 2017

DATA BASE MANAGEMENT SYSTEMS

Paper : CSE-202-F

Time : Three Hours]   *[Maximum Marks : 100*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Section. Question No. 1 is *compulsory*. All questions carry equal marks.

1. Explain the following :   20

    (i)   Data

    (ii) Relational Model

    (iii) QBE

    (iv) Transaction

SECTION – I

2. (i) Differentiate between DBMS and file processing systems.   10

     (ii) Describe the various views of Data.   10

3. Explain the following :   20

     (i) Mapping constraints.

     (ii) Reduction of E-R diagram into tables.

SECTION – II

4. Describe the following :   20

     (i) Hashing

     (ii) Index Sequential Files

5. Give a complete description about relational algebra.   20

SECTION – III

6. Explain the following :   20

     (i) SQL

     (ii) QLB

7. Give a complete description about normalization.   20

SECTION – IV

8. (i) What do you understand by Distributed Data Processing ? Also explain about parallel databases.   10

     (ii) Give a brief idea about Hierarchical model.   10

9. Explain the following :   20

     (i) Problems in Concurrent Transactions.

     (ii) Data Mining and Data Warehousing.

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