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 :

    (i)   Data

    (ii)   Relational Model

    (iii) QBE

    (iv) Transaction   20

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SECTION – I

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

(ii) Describe the various views of Data.　10

3. Explain the following :

(i) Mapping constraints.

(ii) Reduction of E-R diagram into tables.　20

SECTION – II

4. Describe the following :

(i) Hashing

(ii) Index Sequential Files　20

5. Give a complete description about relational algebra.　20

SECTION – III

6. Explain the following :

(i) SQL

(ii) QLB　20

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 :

(i) Problems in Concurrent Transactions.

(ii) Data Mining and Data Warehousing.　20