

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.