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Roll No. ....

**BB-587**

**M. Tech. EXAMINATION, Dec. 2017**

(Second Semester)

(B. Scheme) (Re-appear Only)

(CSE)

CSE-558-B

ADVANCED DBMS

*Time : 3 Hours]*

*[Maximum Marks : 75*

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

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**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(2-45/11) M-BB-587

**P.T.O.**

### **Unit I**

1. What is Recovery Management in Centralized DBMSs ? Explain two phase locking protocol. **15**
2. Explain the following :
  - (a) Distributed relational database design
  - (b) Transparencies in DDBMS. **15**

### **Unit II**

3. What is Distributed Transaction Management ? Also explain distributed concurrency control. **15**
4. What is query optimization in distributed systems ? Explain. **15**

### **Unit III**

5. Explain the following :
  - (a) Object Oriented Database Design
  - (b) Issues in OODBMS. **15**

6. Explain the Third Generation database manifestos. **15**

### **Unit IV**

7. What are the requirements for Web-DBMS Integration ? Explain the approach to integrate Web and DBMSs. **15**
8. What is Data Mining ? Give comparison of OLAP systems and data warehousing. **15**