SECTION-B

5. (a) What can be the reasons of disk failure? Explain.
(b) What do you mean by log based recovery?
(c) Distinguish between immediate update and deferred update.

6. Explain the features of different languages used in RDBMS.

7. (a) How primary key, unique key and foreign key are defined in Oracle? Explain giving examples.
(b) How pattern matching is done in Oracle SQL? Explain.

8. Write the methods of creating, applying and dropping triggers in Oracle.

SECTION-C

9. All questions are compulsory:
(a) Define indexed file organization technique.
(b) Define Thomas’ write rule.
(c) What are check points?
(d) Write the procedure of grouping table data in Oracle.
(e) How dates are manipulated in Oracle?
RELATIONAL DATABASE MANAGEMENT SYSTEM
WITH ORACLE–225
Semester-IV

Time Allowed : Three Hours] [Maximum Marks : 75

Note:— Attempt two questions each from Sections A and B and the entire Section C.

SECTION-A

1. Define RDBMS. What are the features of RDBMS ? What are the advantages of RDBMS over DBMS ? Explain. 15

2. Define and distinguish between sequential and index file allocation techniques. 15

3. Define concurrency. How concurrency is controlled using lock based protocols ? Explain. 15

4. (a) Define two phase locking protocol.

(b) Explain timestamp ordering protocol. 5

(c) How deadlocks can be prevented ?