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Question Paper Code : 75516

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Elective

Computer Technology

XCS 012 — DATABASE ADMINISTRATION

(Common to 5 Year M.Sc. Information Technology)

(Regulation 2003)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List out the applications of database systems.
2. Compare DDL with DML.
3. What are the implications of the storage clauses?
4. Distinguish between table segment with rollback segment.
5. Define views. Give an example.
6. Give an example for merge join operation.
7. Give the usage of portal services.
8. Mention the advantages of Oracle 9i.
9. What is an abstract data type? Give example.
10. What are heterogeneous services?

PART B — (5 × 16 = 80 marks)

11. (a) (i) List the database users and explain the functions of database administrator. (6)
- (ii) Draw the database system structure and explain. (10)

Or

- (b) (i) Write a brief note on concurrency control. (8)
- (ii) Explain the replication, distribution and external data in recovery Mechanisms. (8)

12. (a) (i) Explain the index segments with an example. (8)
(ii) What are online backups? Explain. (8)

Or

- (b) (i) How do we create a database using the oracle enterprise manager? Explain briefly. (8)
(ii) Explain the export and import offline backups in detail. (8)
13. (a) Explain in detail the following with an example for each.
(i) Operation that access tables. (8)
(ii) Operation that use indexes. (8)

Or

- (b) (i) Explain the join operation with an example. (8)
(ii) Explain the use of HASH JOIN operation with example. (8)
14. (a) Describe the business logic services and business intelligent services in detail. (16)

Or

- (b) (i) Compare and contrast the Oracle database cache and Oracle web cache. (8)
(ii) Explain the database services supported by Oracle 9i AS. (8)
15. (a) (i) Discuss the merits and demerits of ORDBMS. (8)
(ii) Write a note on Oracle table security. (8)

Or

- (b) (i) What are triggers? Explain in detail. (8)
(ii) Briefly explain the partition and sub partition in Oracle 9i data dictionary. (8)