

17631

16172

3 Hours / 100 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Illustrate your answers with neat sketches wherever necessary.
 - (3) Figures to the right indicate full marks.

Marks

1. Attempt any FIVE :

20

- (a) Define immediate update.
- (b) Explain Architecture of mobile database.
- (c) Explain how to access digital library.
- (d) Explain any two multimedia database queries.
- (e) Describe data warehousing.
- (f) Explain how to create a table space.
- (g) State meaning of redundancy in Web-database.

2. Attempt any FOUR :

16

- (a) Explain use of table space.
- (b) Explain causes of failure in database recovery.
- (c) Describe data synchronization in mobile database.
- (d) Explain ways of Mandatory Access Control.
- (e) List any four key benefits of three-tiers applications.
- (f) Explain SGA and PGA.

- 3. Attempt any FOUR :** **16**
- (a) Explain object Privilege.
 - (b) Explain advantages and limitations of web database.
 - (c) State use of transaction logs.
 - (d) List four potential benefits of digital library.
 - (e) Explain how to create a DBA user.
 - (f) Draw Oracle instance architecture.
- 4. Attempt any FOUR :** **16**
- (a) Explain types of oracle database structure.
 - (b) List characteristics of mobile computing.
 - (c) Explain how to Revoke the assigned privilege.
 - (d) Explain catastrophic failures.
 - (e) State the need of backup plan.
 - (f) Describe Log Writer (LGWR).
- 5. Attempt any TWO :** **16**
- (a) List types of threat issues for database security & explain one in detail.
 - (b) Explain partitioning in client-server architecture.
 - (c) Explain Multi-Database system. Explain recovery procedure in it.
- 6. Attempt any TWO :** **16**
- (a) Explain any two data mining techniques.
 - (b) Explain how to access data from java program.
 - (c) State any four importance of database backup. Explain shadow paging.
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