

17631

21415

3 Hours / 100 Marks

Seat No.

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- Instructions* –
- (1) All Questions are *Compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following:

20

- a) What are the advantages of web databases?
- b) What is the purpose of stored procedure?
- c) List data mining techniques.
- d) What is system global area?
- e) How to create DBA?
- f) Explain the need of logs.
- g) Why we need digital library?

P.T.O.

- 2. Attempt any FOUR of the following:** **16**
- a) List characteristics of mobile computing.
 - b) Explain two-tier client server architecture.
 - c) What do you mean by parallel DBMS?
 - d) Explain object privilege.
 - e) What are the checkpoints?
 - f) What are the catastrophic failures?
- 3. Attempt any FOUR of the following:** **16**
- a) What are the functions of DBA?
 - b) What is tablespace?
 - c) What are the different multimedia data types?
 - d) List characteristics of web databases.
 - e) What are the key benefits of three-tier applications?
 - f) Explain immediate update of database.
 - g) Explain GRANT command with example.
- 4. Attempt any FOUR of the following:** **16**
- a) What is 'Slicing a cube'?
 - b) Explain role of metadata.
 - c) Explain importance of XML in web database.
 - d) Draw neat diagram for architecture of mobile database.
 - e) What are the advantages of distributed databases management system?
 - f) List background process of Oracle server.

5. Attempt any TWO of the following:**16**

- a) Explain shadow paging in detail.
- b) What are the different causes of failure?
- c) Explain different access control methods of database.

6. Attempt any TWO of the following:**16**

- a) Draw and explain architecture of Oracle Instance.
 - b) List and explain components of web application.
 - c) How content based retrieval is done in multimedia database?
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