17631

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) Assume suitable data, if necessary.

(6) 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 is Program Global Area?

   b) What do you mean by Object Privilege?

   c) Explain the need of checkpoints.

   d) Explain the need of Digital Library.

   e) What are the advantages of Web Databases?

   f) Explain two tier client server architecture.

   g) List data mining techniques.

2. **Attempt any FOUR of the following:** 16

   a) What are the advantages of Distributed databases?

   b) What are the functions of DBA?

   c) Explain the need of logs.

    d) What are the various data medium used in multimedia?

    e) What is the purpose of stored procedure?

    f) List data warehousing techniques.

3.   **Attempt any <u>TWO</u> of the following:**   **16**

    a) What is the purpose of CGI and XML in web database?

    b) What are the components of digital library?

    c) What are the web application components?

4.   **Attempt any <u>TWO</u> of the following:**   **16**

    a) Draw and explain oracle instance architecture.

    b) What is table space? How to create table space.

    c) What is Deferred and Immediate update?

5.   **Attempt any <u>TWO</u> of the following:**   **16**

    a) What are the various background processes of oracle server?

    b) What are the various auditing methods.

    c) What are the catastrophic failures? How to recover from such failures.

6.   **Attempt any <u>FOUR</u> of the following:**   **16**

    a) What do you mean by System Privilege?

    b) Explain REVOKE with example.

    c) What is Shadow Paging?

    d) What are the characteristics of mobile computing?

    e) Draw the architecture of mobile database.

    f) Give example of star schema.

    g) Draw three tier client server architecture.

_____