

17631

11920

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) Assume suitable data, if necessary.
 - (6) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) 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 principles? How to grant principles to user in oracle?
 - b) Mention the threats to database security?
 - c) What is database backup? Why should we have plan backup?
 - d) What is digital libraries? State the need for digital libraries?
 - e) Explain granting and revoking priviliges.
 - f) What is datamining? List down few datamining application?
 - g) What are functions of DBA?

P.T.O.

- 2. Attempt any TWO of the following: 16**
- a) Explain the logical structure and physical structure of oracle database architecture?
 - b) Describe the goals and types of database security issues?
 - c) (i) Define internet technology and WWW technology.
(ii) Give advantages and disadvantages of web databases.
- 3. Attempt any TWO of the following: 16**
- a) Explain the concept of parallel DBMS and distributed DBMS?
 - b) Explain different recovery techniques of database?
 - c) Describe about multimedia database queries and applications?
- 4. Attempt any TWO of the following: 16**
- a) Describe the following terms:
 - (i) Log writer (LGWR)
 - (ii) System monitor (SMON)
 - b) Describe basic concepts of data warehousing and data warehouse architecture.
 - c) Explain the architecture of mobile databases.
- 5. Attempt any TWO of the following: 16**
- a) Explain how to perform recovery in multi-database system?
 - b) Describe the components of digital libraries?
 - c) Explain client-server architecture with neat diagram?
- 6. Attempt any TWO of the following: 16**
- a) Describe has to create a table space using SQL plus and how to modify existing user password?
 - b) Describe how to recover database from catastrophic failure?
 - c) Explain key benefits of three tier application?
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