9. Write short notes on **any one** :   [10]

    (a)   Data Mining

    (b)   Spatial database .

                ----- x -----

Question Paper Code : 1684

MBA (MS)(MDS) Examination, 2018

(Semester-IV)

ADVANCE DATABASE MANAGEMENT SYSTEM

[MS(B)-045]

Time : Three Hours]   **[Maximum Marks : 70**

Note : Answer **five** questions in **all**. **Question No. 1** is **compulsory**. Besides this, attempt **one** question from each unit.

1. Answer the followings :   [3x10 = 30]

    (a)   What do you mean by object ID's (OIDs) ? How it differ from Primary key ?

    (b)   What do you mean by speed up and scale up in reference to parallel database ?

    (c)   Discuss ACID property of Transaction.

    (d)   What do you mean by preprocessing of data ?

    (e)   Discuss the advantages of database system ?

(f)   What do you mean by concurrency control.

(g)   What is object ? Explain with example.

(h)   Define OLAP and OTAP with example.

(i)   State the benefits of parallel database.

(j)   Differentiate between DDL, DCL and DML Language ?

UNIT-I

2. What do you mean by object oriented Database ? Discuss the concept of object oriented database management system ?   [10]

3. (a)   What do you mean by client/server architecture? How it differ from web architecture ?   [5]

    (b)   Differentiate between different types of database management system.   [5]

UNIT-II

4. (a)   What do you mean by I/O parallelism in parallel database ? Discuss the different partitioning techniques in Horizontal partitioning ?   [5]

(b)   What do you mean by Inter Query-parallelism.[5]

5. (a)   What is parallel database ? Discuss the benefits of parallel database.   [5]

    (b)   Discuss the different types of architecture for implementation of parallel database. Also discuss the advantages and disadvantage of each.   [5]

UNIT-III

6. What is distributed database ? Discuss how it is differ from decentralized database ? Also discuss various Business conditions that encourages the use of distributed database ?   [10]

7. A Major object of distributed database is to provide easy access of data for users at different location to meat this objective, distributed database must provide "Location Transparency", "Local autonomy" and "Synchronization of distributed database". Explain each term.   [10]

UNIT-IV

8. What is the use of data warehouse ? Discuss the architecture of data warehouse and its functionality in detail.   [10]