AQ – 2894

First Semester M. E. (C.S.I.T.) Examination

DISTRIBUTED DATABASE SYSTEM

Paper - 1 RNME 3

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

Note : (1) Due credit will be given to neatness and adequate dimensions.
(2) Assume suitable data wherever necessary.
(3) Illustrate your answer wherever necessary with the help of neat sketches.
(4) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) What is database normalization ? What are its different form? Explain with suitable example. 7

   (b) What are the roles of Entity ? Relationship model to design database. Explain. 7

OR

2. (a) Explain following terms in brief –

      (i) ADO, (ii) JSP (iii) ER Model 7

   (b) Distributed data processing uses divide and conquer method. Explain. 7

3. (a) Explain distributed catalog management system with an example. 7

   (b) Explain various components of distributed database system with its basic architecture. 7

OR

4. (a) Describe distributed query processing techniques with their advantages. 7

   (b) Why distributed database recovery process is needed ? How it is used? Explain. 7

5. (a) What are the basic roles of grid computing in distributed computing ? Explain. 7

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(b) What are various data sources for data warehouse ? Explain.   6

OR

6. (a) What are various type of services provided by cloud computing ?
Explain.   7

(b) What is data granularity ? Explain with example.   6

7. (a) Why data integration is required in data warehouse ? Explain.   6

(b) Explain basic architecture of Data Warehousing.   7

OR

8. (a) What are different kinds of classification schemes in metadata ? Explain.   6

(b) What are building blocks of data mining ? Explain.   7

9. (a) What are different styles of data mining ? Explain.   6

(b) Explain function of each components in architecture of Data Mining
System.   7

OR

10. (a) Enlist and explain major issues in Data Mining.   6

(b) What is cluster analysis ? Explain with an example.   7

11. (a) What is meant by market basket analysis ? State its limitations.   6

(b) State and explain Bay's theorem with its application.   7

OR

12. (a) Give Apriori Algorithm and explain.   7

(b) How prediction is used in market basket analysis ? Give example.   6

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