M.E. First Semester (Computer Science & Information Technology) (New-CGS)
13181 : Distributed Database System : 1 RNME 3

P. Pages : 2

Time : Three Hours

AW - 3601

Max. Marks : 80

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

1. a) Compare and contrast between strong entity and weak entity set. 7

    b) How does distributed operating system differ from network operating system? Explain. 7

OR

2. a) Summarize the memory structure of oracle. 7

    b) What is normalization? Explain about BCNF. 7

3. a) Explain client server reference architecture. 6

    b) Explain distributed catalogue management in detail. 7

OR

4. a) Explain various components of distributed database system with its basic architecture. 7

    b) Explain the following. 6
       i) Mobile database.   ii) Distributed database Recovery.

5. a) Explain data granularity and how it is applicable to data warehouse? 7

    b) Explain how warehouse environment manage the existing data. 6

OR

6. a) What do you mean by push based technologies? 7

    b) Explain what do you understand by information flow mechanism. 6

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

    b) Explain the metadata repository in data warehouse. 7

OR

8. a) Give advantages and disadvantages of top-down approach of data warehousing. 7

    b) What are the different kinds of classification schemes in metadata? Explain. 7

9. Explain various issues regarding classification and predication give example. 13

OR

10. a) What are the different styles of data mining? Explain. 6

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

11. What are the different types of association rules? Explain each in details. 13

OR

12. a) Why market basket analysis process is required? Explain it in details. 7

b) State and explain Bay's theorem with its application. 6

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