

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

P. Pages : 2

Time : Three Hours



AU - 3432

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) Give the advantages and disadvantages of Distributed system. 6
- b) How does distributed operating system differ from network operating system? Explain. 7

OR

2. a) What is database normalization? Why it is used? Explain each. 8
- b) Explain role of E.R model in database design. 5
3. a) Explain distributed memory architecture of distributed system. 6
- b) Enlist the advantages & disadvantages of distributed system. 7

OR

4. a) Explain following 6
 - i) Distributed Query Processing.
 - ii) Distributed Databases Recovery.
- b) What are the issues in designing distributed system? 7
5. a) Explain data granularity and how it is applicable to data warehouse? 6
- b) Explain how cloud computing used as emerging trends in distributed computing environment. 7

OR

6. a) What are the benefits of Data warehousing? Also explain why data warehouse is to be used? 7
- b) What is subject oriented data? Explain. 6
7. a) Explain any six characteristics of Data warehouse. 6
- b) Explain basic architecture & function of Data warehouse. 7

OR

8. a) Give Advantages and Disadvantages of top-down approach of data warehousing. 6

- b) Explain Data warehouse schema in details. 7
9. a) How data mining used as a step in the process of knowledge discovery? Explain. 7
- b) Explain Data Mining functionalities. 7

OR

10. a) What is data Mining? Compare and contrast Data Mining and Data Warehousing. 7
- b) Explain cluster analysis in details. 7
11. a) Why market-basket analysis process is required? Explain it in details. 7
- b) Explain Bay's theorem. 7

OR

12. What are different types of association rules? Explain each in details. 14
