PSCSCT03 - Paper-III : Data Warehousing & SQL

P. Pages : 1

6171

GUG/W/23/11144

Time : Three Hours

Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram and use supporting data wherever necessary.
3. Avoid vague answers and write specific answers related to questions.

Either :-

1. a) Explain the characteristics of a data warehouse. **8**

b) Write a note on: **8**
i) OLTP system   ii) OLAP system.

OR

c) Enlist and explain different tools for Data warehousing. **8**

d) Draw and explain Data warehousing Architecture. **8**

Either :-

2. a) Explain different data marts types. **8**

b) What is the role of meta data in Data warehouse. **8**

OR

c) Explain Data model of data marts. **8**

d) How the security gets provided to the data marts? Explain. **8**

Either :-

3. a) Explain Data storage Architecture. **8**

b) What is data types? Explain different data types used in SQL. **8**

OR

c) Define functions. Describe with example user define-function. **8**

d) Explain with example Data manipulation commands. **8**

Either :-

4. a) Explain different data integrity constraints. **8**

b) Write a note on DML triggers. **8**

OR

c) Explain transaction Architecture in SQL. **8**

d) Define Backup process. Enlist the types of Backup. **8**

5. Solve all the questions.

a) Enlist the components of Data ware house. **4**

b) Write a note on Data mining. **4**

c) Explain Scalar operators. **4**

d) Explain the concept of locking in SQL. **4**

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