

M.C.A. - I (Two Years Programme) New CBCS Pattern Semester-II
PSMCAT204.1 - Paper-IV : Elective-I : Data Warehousing

P. Pages : 2

Time : Three Hours



GUG/W/23/13645

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labelled diagram wherever necessary.
3. Avoid vague answer and write relevant answer to question.

Either:

1. a) Explain the characteristics of data warehouse. Also explain the Architectural strategies of Data warehouse. **8**

b) Discuss crucial decisions in designing a data warehouse. **8**

OR

c) Explain OLTP and OLAP system in detail. **8**

d) Discuss various Technological consideration while designing data warehouse. **8**

Either:

2. a) Explain types of data mart in detail. **8**

b) Explain predictive modeling in detail. **8**

OR

c) Discuss data preparation step for data mining. **8**

d) Explain star schema data model for data warehouse. **8**

Either:

3. a) Explain feature and benefits of SQL. **8**

b) Explain following command with syntax and example- **8**
i) Insert ii) Update
iii) Delete

OR

c) What is synonyms? Explain following in detail- **8**
i) Views ii) Schemas

d) Explain data definition language in detail. **8**

Either:

4. a) Write a detail note on deadlock. **8**
b) Explain shared and Exclusive lock in detail. **8**

OR

- c) Write PL/SQL program to find palindrome number. **8**
d) Explain Transaction control language in detail. **8**
5. Attempt **all** the questions.
- a) Write a short note on Metadata. **4**
b) Explain loading a data mart in brief. **4**
c) Explain data integrity in short. **4**
d) Write a note on stored procedure. **4**
