

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:

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

OR

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|-----------|----|---|----------|
| | 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 |
