

PG-576

MSC-5

M.Sc. DEGREE EXAMINATION –
DECEMBER, 2019.

First Year

Computer Science

ADVANCED DBMS

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Write short notes on server system architecture.
2. Compare between parallel systems and distributed systems.
3. Explain about encapsulation of operations.
4. Describe about recursive queries in SQL.
5. Discuss about spatial DB implementation.
6. Summarize about transaction commit protocols.
7. Explain about biological data management.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail about parallel databases. With example.
9. Describe in detail about object DB standards, languages and design.
10. Briefly discuss about implementation of rules and recursion.
11. Write brief notes on syntax and semantics of dialog languages.
12. Discuss briefly about effect of mobility on data management.
13. Explain in detail about data storage systems on the cloud.
14. Describe in detail about XML query languages.