

15094

M.Sc. DEGREE EXAMINATION, NOVEMBER 2016.

FIRST SEMESTER

Computer Science

Paper IV — ADVANCED DATABASE MANAGEMENT SYSTEMS

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each questions carries 3 marks.

Each answer should not exceed 1 page.

1. What is UML?
2. What is E-R model?
3. What is an entity?
4. What is catastrophic failure?
5. What is object database?
6. What is shared lock?
7. What is DBA?
8. What is transaction Processing?

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 page.

9. What is a Data modeling? Explain the data modeling using E-R model.
Or
10. Discuss the Relational Database Design by E-R modeling.
11. Explain briefly about Database Recovery Techniques.
Or
12. Explain about Concurrency control Techniques.

13. Explain about Object databases.

Or

14. Distinguish between Object relational and Extended Relational systems.

15. Explain about Client server architectures.

Or

16. Discuss about Distributed databases.

