

FACULTY OF ENGINEERING

B.E. 4/4 (CSE) II – Semester (Main) Examination, May / June 2012

Subject : **Advanced Database** (Elective – III)

Time : 3 hours

Max. Marks : 75

Note: Answer all questions from Part–A and answer any **FIVE** questions from Part–B.**PART – A** (25 Marks)

1. What is weak entity? Give an example. 3
2. What are constraints on specialization? 2
3. What is a table inheritance? Give an example. 3
4. How are abstract and concrete classes are different from each other? 3
5. What are SQL-Invoked Routines? Give an example. 3
6. What are Triggers? Write syntax for creating trigger statement. 3
7. What is X-Query? 2
8. How to manage complex types in XML? 2
9. What is interoperation parallelism? 2
10. What is Directory system? 2

PART – B (50 Marks)

- 11.a) How Attribute-Defined specialization represented in ER model? Explain with diagram.
- b) How multiple inheritance is represented in ER model explain with diagram?
- 12.a) How to form class hierarchies in UML?
- b) How typical associations are represented in UML?
- 13.a) How to create views in SQL?
- b) How to create assertions in SQL?
- 14.a) What is embedded SQL? Give a simple script.
- b) What is call – level interface?
15. Explain FLWOR expressions in XML with suitable examples for each.
16. Explain ODMG standards in details.
- 17.a) What are reasons for building distributed database systems