

MCA 752

M.C.A. DEGREE EXAMINATION, MAY 2010.

Fifth Semester

Computer Applications

MIDDLEWARE TECHNOLOGY

Time : Three hours

Maximum : 75 marks

Answer any FIVE questions choosing ONE full question from each unit.

All questions carry equal marks.

UNIT I

1. (a) Explain about the basic building blocks of Client/Server with a neat Sketch. (8)
- (b) Explain about the Group Server and its features. (7)

Or

2. (a) What is meant by middleware? Explain about service specific middleware. (8)
- (b) Explain about RPC communications. (7)

UNIT II

3. How to implement EJB concepts in programming? Explain it with an example. (15)

Or

4. (a) Explain about the conversation of EJB with neat diagram. (10)
(b) Explain about the roles of EJB (5)

UNIT III

5. (a) Explain about Life cycle of Session bean. (8)
(b) Life cycle of Entity bean. (7)

Or

6. (a) Give the difference between Stateless & Stateful Session bean. (5)
(b) Give the difference between BMP and CMP. (5)
(c) Compare JavaBeans & EJB (5)

UNIT IV

7. Explain about CORBA architecture with a neat sketch. (15)

Or

8. How to build a simple application using CORBA and explain it with an example. (15)

UNIT V

9. (a) What is COM? Explain about COM architecture with a neat sketch. (10)
(b) Explain about COM data types. (5)

Or

10. (a) Give the comparison of COM & CORBA. (8)
(b) Explain how marshalling can be done using COM. (7)