

MCA 752

M.C.A. DEGREE EXAMINATION, NOVEMBER 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 the working mechanism of MOM.
State the difference between RPC and MOM. (10)
- (b) Illustrate the three tier web server model and
explain the sequence of operations performed
in the server side of the mode. (5)

Or

2. How is RPC implemented in client server
environment? Explain in detail the various issues
involved while implementing with diagram. (15)

UNIT II

- 3. (a) With a neat sketch explain the EJB architecture specifying both client side and server side environment. (8)
- (b) Describe the sequence of steps for deploying J2EE based EJB applications. (7)

Or

- 4. (a) Explain the main steps employed for server side and client-side EJB development in detail. (8)
- (b) Describe the functions of different types of client view available in EJB. (7)

UNIT III

- 5. (a) Compare and contrast stateful and stateless beans with stateless session beans. (5)
- (b) Explain the life of entity bean in detail. (10)

Or

- 6. Consider an E-Commerce application of "shopping cart" for purchasing thing over the web. Implement the above application using EJB by considering the necessary issues involved. (15)

UNIT IV

- 7. (a) Describe the layered architecture of CORBA. (8)
- (b) Write notes on CORBA IDL. (7)

Or

- 8. How does a client communicate with remote object server in CORBA environment? (15)

UNIT V

- 9. Compare COM and CORBA bringing our similarities and differences. (15)

Or

- 10. (a) Write about services offered by COM. (8)
- (b) Explain NET Framework Remoting Architecture (7)