

MCA 752

M.C.A. DEGREE EXAMINATION, MAY 2009.

Fifth Semester

Computer Applications

MIDDLEWARE TECHNOLOGY

(From 2007 batch onwards)

Time : Three hours

Maximum : 75 marks

**Answer FIVE questions, choosing ONE full question
from each Unit.**

All questions carry equal marks.

UNIT I

1. (a) What does Middleware mean? Why it is used? (9)

(b) Discuss about Database Server and Highlight its Services. (6)

Or

2. (a) Explain about Peer-Peer Communication. (9)

(b) Write about Messaging Process of a Client/Server Model. (6)

UNIT II

- 3. (a) With a neat sketch, explain the Architecture of an EJB. (8)
- (b) Give a short description of Roles in EJB. (7)

Or

- 4. (a) How to build and Deploy an EJB Application? (8)
- (b) What are the components required for an EJB to converse? (7)

UNIT III

- 5. (a) Compare and Contrast Session Bean with Entity Bean. (9)
- (b) What is meant by Deployment? How it is done in an EJB? (6)

Or

- 6. Write a program in EJB to say "Hello". (15)

UNIT IV

- 7. (a) Discuss in detail about IDL. (7)
- (b) Describe the features of Distributed Systems. (8)

Or

- 8. (a) List out the various alternatives of CORBA in detail. (6)
- (b) With a neat diagram explain the Architecture of CORBA. (9)

UNIT V

- 9. (a) Compare COM and CORBA. (9)
- (b) Discuss the concept and need of Stub and Proxy. (6)

Or

- 10. (a) Define COM and its Data types. (6)
- (b) Briefly explain the concept of implementing Client/Server. (9)