

FACULTY OF INFORMATICS
B.E. 4/4 (IT) I-Semester (Supplementary) Examination, June/July 2011
MIDDLEWARE TECHNOLOGIES

Time : Three Hours]

[Maximum Marks : 7

Note :—Answer ALL questions from Part—A. Answer any FIVE questions from Part—B
PART—A (Marks : 25)

1. Define the term middleware. 3
2. Explain webserver with example. 3
3. What is SOA ? 3
4. Give servlet life cycle methods. 3
5. What is MVC model 2 approach ? 2
6. Write the methods in EJBHome interface. 3
7. List the various transaction modes supported by EJB container. 2
8. What are alternatives to CORBA ? 2
9. How objects are created in DCOM ? 2
10. List COM data types. 2

PART—B (Marks : 50)

11. Explain messaging and queueing middleware. 10
12. (i) Create a servlet that will count the number of times a client has accessed the webpage. 5
- (ii) Explain Http get and Post Methods in detail. 5
13. Give jdbc API for :—
 - (i) Establishing connection.
 - (ii) Creating statements
 - (iii) Executing DDL, DML and DRL statements.
14. Explain CORBA Architecture in detail. 10
15. Write a session bean for online shopping. 10
16. Explain .net Remoting with an example. 10
17. Write short notes on :—
 - (i) COM Interfaces
 - (ii) Proxy and Stub
 - (iii) Application Domains in .net.