M.Tech. Degree Examination

Information Technology

II SEMESTER

MIDDLEWARE TECHNOLOGIES
(Effective from the admitted batch 2012–13)

Time: 3 Hours                                                                                 Max.Marks: 60

Instructions: Each Unit carries 12 marks.
Answer all units choosing one question from each unit.
All parts of the unit must be answered in one place only.
Figures in the right hand margin indicate marks allotted.

UNIT-I
1. a) What are the advantages and disadvantages of centralized computing 6
b) What are the advantages and disadvantages of Distributed computing 6

OR

2. Sketch and explain OMG object management Architecture 12

UNIT-II
3. How Assemblies helps in running multiple applications. Explain with an example 12

OR

4. Explain the following
   a) Serialization using a Binary formatter 4
   b) The role of ADO.NET data providers 4
   c) Building custom attributes 4
UNIT-III
5. What does a Trader Service Provide for other objects? 12

OR
6. a) Explain general constructs of the CORBA IDL-to-Java Mapping 6
    b) Why RMI to IDL? Why RMI over IIOP? Explain Java-to-IDL mapping 6

UNIT-IV
7. Discuss in detail about the Event-Driven Java Bean 12

OR
8. Discuss in detail about properties of Java Bean 12

UNIT-V
9. Explain the following
   a) The EJB client/server development process 4
   b) The EJB deployment classes 4
   c) CORBA OTMs 4

OR
10. Explain the following:
    a) The EJB/Container Protocol 6
    b) EJB Packaging 6

[06/II S/214]