



Code: 9D25105

M.Tech I Semester Supplementary Examinations August 2016

MIDDLEWARE TECHNOLOGIES

(Software Engineering)

(For students admitted in 2012, 2013, 2014 & 2015 only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) How heterogeneity exists in client/server environment? Explain.
(b) Explain different client/server applications.
- 2 Define interfaces. Explain various types of interfaces implementation.
- 3 What are the components of an assembly structure? How do you organize them? Explain them.
- 4 (a) What is the meaning of custom attributes & their applications? Explain.
(b) Explain in detail the evolution of framework from DCOM to .NET.
- 5 (a) How do you access data using ADO.NET? Explain.
(b) Discuss common language infrastructure in detail.
- 6 (a) When does a transactional session bean implement session synchronization interface. Explain.
(b) Write a program to implements Simple Smiley Java Bean.
- 7 (a) Explain CORBA constructed types with suitable examples.
(b) Show the CORBA :: ORB initialization methods and also explain the services offered by ORB.
- 8 (a) Compare CORBA, .NET and EJB in brief.
(b) Discuss CORBA component model in detail.
