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
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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.

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