

Code No: V3243

R07

Set No: 1

III B.Tech. II Semester Supplementary Examinations, April/May - 2013

MIDDLE WARE TECHNOLOGIES

(Information Technology)

Time: 3 Hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. a) Explain evolution of corporate computing models from centralized to distributed computing.
b) Distinguish between 2-tier and 3-tier architectures of client/server computing. [8M+8M]
2. a) Describe the intergalactic ORB of CORBA 2.0.
b) How CORBA/JAVA augment today's Web?
c) Discuss about CORBA business objects. [5M+5M+6M]
3. a) Describe nested type definitions.
b) Explain about building a shared assembly.
c) What are members of System. Multicast Delegate? Explain. [5M+5M+6M]
4. a) Discuss in detail about attribute programming.
b) What are the .NET remoting namespaces? Explain. [8M+8M]
5. a) What is in a CORBA object name? Explain client/server naming scenarios.
b) What are CORBA method invocations? Write the client applet code. [8M+8M]
6. Discuss in detail about CORBA-to-Java mapping. [16M]
7. a) Briefly discuss about Bean persistence.
b) Explain about the introspective JavaBean.
c) Describe the delegation event model in a Nutshell. [5M+5M+6M]
8. Explain the following:
a) Support for transactions.
b) The remote EJB interfaces.
c) EJB design guidelines. [6M+6M+4M]

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Set No: 2

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MIDDLE WARE TECHNOLOGIES

(Information Technology)

Time: 3 Hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain how Banking application works in client/server environment? [16M]
2. a) Briefly discuss about the anatomy of a CORBA 2.0 ORB.
b) How CORBA/JAVA augment today's Web? Explain. [8M+8M]
3. a) Explain the formal definition of the C# class.
b) Give an overview of .NET assemblies.
c) Discuss about events. [5M+5M+6M]
4. a) Explain about assembly-level attributes.
b) Discuss about understanding the ADO.NET namespaces.
c) Describe the System. Type class. [4M+6M+6M]
5. a) Explain the MultiConsole applet of MultiCount.
b) Describe portable count client and portable count server.
c) Explain first CORBA-enabled applet. [5M+5M+6M]
6. a) Discuss in detail about CORBA3.0's POA.
b) Explain general constructs of the CORBA IDL-to-Java mapping. [8M+8M]
7. Explain the following:
a) Bound properties
b) Event-driven JavaBean
c) Beans in JARs [4M+6M+6M]
8. Explain the following:
a) The EJB/container protocol
b) EJB packaging [8M+8M]



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Set No: 3

III B.Tech. II Semester Supplementary Examinations, April/May - 2013

MIDDLE WARE TECHNOLOGIES

(Information Technology)

Time: 3 Hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. a) What is client/server computing? What are benefits of client/server computing?
b) Explain two-tier client/server architecture. [8M+8M]
2. Explain in detail about JDBC result set interface. [16M]
3. a) Give an overview of .NET assemblies.
b) Explain C#'s inheritance support.
c) Explain callback interfaces. [8M+4M+4M]
4. Explain the following:
a) Serialization using a Binary formatter
b) The role of ADO.NET data providers
c) Building custom attributes [4M+8M+4M]
5. a) Explain dynamic invocations of the dynamic count.
b) Describe the MultiConsole applet. [8M+8M]
6. a) Discuss in detail about CORBA 3.0's POA.
b) Explain about the CORBA 2.0 interface repository. [8M+8M]
7. Discuss in detail about the Event-Driven JavaBean. [16M]
8. Explain the following:
a) OTM b) EJB/container protocol c) Client's view of an EJB d) EJB design guidelines [4M+4M+4M+4M]



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Set No: 4

III B.Tech. II Semester Supplementary Examinations, April/May - 2013

MIDDLE WARE TECHNOLOGIES

(Information Technology)

Time: 3 Hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Write definitions centralized computing and distributed computing. Explain merits and demerits of both. [16M]
2. a) Give the anatomy of a CORBA2.0 ORB.
b) Draw and explain the CORBA2.0 inter-ORB architecture.
c) Describe the evolution of CORBA. [6M+5M+5M]
3. a) Describe private assemblies and XML configuration files.
b) Define the default public interface of a type.
c) What are members of System. Multicast Delegate? [5M+5M+6M]
4. a) What is the role of object graphs?
b) Discuss in detail about XML web services. [4M+12M]
5. a) Describe first CORBA-enabled applet.
b) Explain about the design of MultiCount.
c) Discuss about CORBA method invocations. [6M+5M+5M]
6. a) Discuss about Java-to-IDL mapping.
b) Explain CORBA constructed types.
c) Explain about the server side of CORBA. [5M+5M+6M]
7. a) Discuss about the Beans in JARs.
b) Describe property editors and customizers. [8M+8M]
8. Explain the following:
a) EJB/container protocol
b) Remote EJB interfaces
c) Session and entity beans
d) EJB deployment classes [4M+4M+4M+4M]

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