

Code No: 07A61201

R07**Set No. 2**

III B.Tech II Semester Examinations, December 2010

MIDDLEWARE TECHNOLOGIES

Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. What are the various types of properties associated with javabeans. [16]
2. (a) List and explain the various user defined and parameterized types in CORBA.
(b) Explain CORBA Helper classes. [8+8]
3. (a) Draw and explain the 3- tier client/server object- style
(b) Discuss the 3- tier CORBA / java object web. [8+8]
4. Explain
 - (a) Containment / Delegation model
 - (b) Nested type definition. [8+8]
5. (a) What happens in the major transactions from pool to active state in the life of an EJB instance
(b) What constitute the EJB jar file. [8+8]
6. (a) Explain the working of thin Client / Server computing model
(b) List and explain the various components of Client/Server applications. [8+8]
7. Explain about the following
 - (a) Proxy code generation through visual studio 2005
 - (b) Exposing custom types from Web Methods. [8+8]
8. (a) How transparency is provided when CORBA program is run locally / remotely
(b) Discuss in brief about core CORBA interface. [8+8]

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R07**Set No. 4**

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Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
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1. What are the advantages of using RMI over IIOP? Explain how the interaction between client and server takes place in case of RMI . [16]
2. Explain static and dynamic method invocation? Give the advantages of static method invocation over dynamic method invocation. [16]
3. (a) Compare design-time and run-time javabeans.
(b) Discuss the various design patterns used in javabeans architecture. [8+8]
4. Explain in briefly the Client /Server :
(a) Costlier Approach
(b) Maintenance
(c) Reliability
(d) Maintaining client applications. [16]
5. Write a short notes for the following
(a) CORBA Exceptions
(b) CORBA attributes
(c) CORBA helper classes
(d) CORBA parameters. [16]
6. Write a short notes on :
(a) Member Hiding
(b) Casting types
(c) Partial type [16]
7. Explain customize a Serialization process. [16]
8. Explain different EJB deployment classes with their methods. [16]

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R07**Set No. 1**

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Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
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1. (a) Differentiate between session beans and Entity beans
(b) List out the possible actions taken by a container on receiving a call for a Transactional bean? [8+8]
2. (a) Define: -
 - i. Module
 - ii. Operation(b) How transparency is provided when CORBA program is run locally / remotely. [8+8]
3. (a) Give the four activation policies?
(b) What are the three initialization methods associated with an ORB object? [8+8]
4. (a) Explain the working of Thin Client / Server computing model
(b) Compare centralized and distributed system. [8+8]
5. (a) Define Serialization?
(b) Discuss the role of object graph in object serialization
(c) How to configure the objects for doing serialization. [16]
6. Discuss about RMI API and explain the various steps in RMI development process. [16]
7. (a) Explain system configuration namespace and machine configuration file.
(b) Explain about shared assemblies configuration. [8+8]
8. (a) What are the guidelines that must be followed while writing portable beans?
(b) What are the various interface and classes provided by java.beans package for supporting bound properties? [8+8]

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R07**Set No. 3**

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Answer any FIVE Questions
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1. (a) Discuss briefly about core CORBA interfaces
(b) Define pseudo object. [8+8]
2. List the constraints imposed on Session- bean in the EJB specification. [16]
3. (a) Explain the component services provided by JDK for designing javabeans.
(b) Compare Design-time and Run-time javabeans. [8+8]
4. (a) Explain how polymorphism is achieved in C# using abstract methods.
(b) Explain in detail about the second pillar of oops. [8+8]
5. (a) What are the different ways to invoke CORBA methods? Distinguish between them
(b) Explain how client programs obtain object reference
(c) Write HTML applet tag. [8+8]
6. (a) Compare CORBA IIOP and RMI
(b) Explain about RMI Security Manager. [8+8]
7. Give a brief overview on the evaluation of client/server computing models. [16]
8. Write a short notes on the following attributes of XML
(a) Web Service attribute
(b) Web Service Binding attribute
(c) Web Method attribute. [16]
