

Code No: 07A61201

R07**Set No. 2**

III B.Tech II Semester Examinations, APRIL 2011
MIDDLEWARE TECHNOLOGIES
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) State the advantages offered by CORBA ORB
(b) Explain any two different types of dynamic invocation. [8+8]
2. (a) What is an Enterprise bean? Discuss the types of Enterprise Beans.
(b) Differentiate between Session Beans and Entity Beans. [8+8]
3. (a) Discuss about the implementation repository
(b) Write an detail about trader service. [8+8]
4. (a) Explain the component services provided by JDK for designing javabeans.
(b) Compare Design-time and Run-time javabeans. [8+8]
5. (a) Define
 - i. RMI Class Loader
 - ii. RMI Security Manager
(b) What are the three functions required by RMI to do dynamic STUB downloading. [8+8]
6. (a) When an application is said to be extendable?
(b) What characteristics must be provided by an extendable application in visual studio 2005. [8+8]
7. (a) Explain in detail about C# events along with the process of listening to incoming event?
(b) Explain the process of creating a delegate type object in C#? [8+8]
8. Explain
 - (a) Network trends
 - (b) Server Trends
 - (c) Client Trends. [16]

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R07**Set No. 4**

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Answer any FIVE Questions
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1. (a) What are the guidelines that must be followed by all the CORBA EJB programmers
(b) Explain each of them in detail? [8+8]
2. (a) Discuss JDBC drivers, JDBC security and JDBC interfaces.
(b) Write a Java Database connectivity program to get values from database. [8+8]
3. (a) What are the predefined attributes of C#
(b) How do you develop custom attributes? [8+8]
4. (a) Write a simple CORBA client/server steps the process of mapping of IDL to java
(b) Compile, execute, and test the process of mapping of IDL to java. [8+8]
5. (a) Write about customize interface
(b) Write a program which implements simple Smiley JavaBean. [8+8]
6. (a) Write about object aggregation /delegation and drag and drop which support for JDK 1.2
(b) Explain about object Input Stream classes. [8+8]
7. Discuss the benefits of Client/ Server computing. [16]
8. (a) How do you control accessibility when inheritance is used?
(b) What is meaning of state and behavior of an object? Explain. [8+8]

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R07**Set No. 1**

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1. Give a brief account on dynamically loading assemblies. [16]
2. (a) Explain the benefits of client/ Server computing in cost saving and time saving
(b) Justify how Client/ Server computing is easily implemented. [8+8]
3. (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]
4. (a) How does CORBA provide client / server interoperability
(b) Define :
 - i. Module
 - ii. Static method invocation
 - iii. Dynamic method invocation. [8+6+6]
5. Discuss the process of creating and verifying a digital signature by signing and receiving applications. [16]
6. Explain
 - (a) Containment / Delegation model
 - (b) Nested type definition. [8+8]
7. Write about Server side mappings in implementing an IDL interfaces. [16]
8. (a) Define dynamic stub loading. What are the three functions required by RMI to do dynamic stub downloading? Also discuss RMIClassLoader and RMI Security Manager Classes.
(b) Write a short notes on RMI classes and interfaces. [8+8]

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R07**Set No. 3**

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Answer any FIVE Questions
All Questions carry equal marks

1. (a) What is the purpose of RMI2IIOP compiler
(b) What happens in the major transactions from pool to active state in the life of an EJB instance
(c) Explain bean managed persistence. [8+8]
2. Give the short notes on
(a) CORBA :: NameValuemapping
(b) CORBA : :Request mapping. [8+8]
3. (a) Explain the RMI architecture.
(b) Give the responsibilities of RMI architecture. [8+8]
4. (a) Define Applet ? How the phases are managed in the life cycle of an applet by a web browser
(b) Discuss the role of an applet tag in establishing the connection between a web browser and an applet. [8+8]
5. (a) How do you define attributes? How do you read and store attributes? What is the Significance of attributes
(b) What are the predefined attributes of C# How do you develop custom attributes? [8+8]
6. (a) What is component
(b) Explain the component services provided by JDK for designing javabeans. [8+8]
7. Explain how client server, and network capability has increased over the years. [16]
8. (a) How a reusable software components can be created using objects?
(b) What is the meaning of State and behavior of an object? Explain. [8+8]
