

III B.Tech II Semester Regular Examinations, Apr/May 2008
MIDDLEWARE TECHNOLOGIES
(Information Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. What are the components of Client/Server environment? How these components interact with one another. What are the functions performed by the components. [16]
2. Explain in detail about JDBC Result set interface. [16]
3. (a) What is the relation between Class and Object.
(b) What is Garbage collection in the context of class.
(c) What is the significance of visibility labels public and private. [5+5+6]
4. How web services can be exposed and consumed. Explain with an example. [16]
5. (a) How does CORBA provide Client/Server Interoperability.
(b) Write about Container class hierarchy of Java. [8+8]
6. (a) Discuss in brief about core CORBA interfaces.
(b) Write in detail about Trader Service. [8+8]
7. (a) Write about Object aggregation/delegation and Drag and drop support of JDK 1.2.
(b) Explain about ObjectInputStream classes. [8+8]
8. (a) What are the activities that an OTM does on behalf of your components.
(b) Write about the CORBA-based component coordinators under construction. [8+8]

Code No: R05321203

Set No. 2

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1. Explain how Banking application works in Client/Server environment. [16]
2. (a) What is the use of Objects finalize method in garbage collection.
(b) Write a brief note on JDBC Java language extension of exceptions. [6+10]
3. (a) What is encapsulation. What is its significance. What are the limitations of it.
(b) How do you establish relationships among classes. [6+10]
4. With an example, explain how you connect to a database, query the database and display the results of a query. [16]
5. Write a program for multi count. [16]
6. Explain the unshared server and persistent server activation policy with necessary figures. [16]
7. Explain a property editing scenario. [8+8]
8. (a) What is a toolable object.
(b) What is the purpose of RMI2IIOP compiler.
(c) Explain Bean-managed persistence. [6+5+5]

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1. Explain how Client, Server, and Network capability has increased over the years. [16]
2. Explain about the convergence of CORBA and RMI object models. [16]
3. How Cross language support is achieved using CTS and CLS. Explain with an example using .NET. [16]
4. How do you access data using ADO.NET. [16]
5. (a) Explain the Dynamic Invocation: Do-it-yourself scenario.
(b) Discuss the advantages offered by Dynamic method and static stub interfaces. [8+8]
6. (a) Discuss in brief about core CORBA interfaces.
(b) Define pseudo-object.
(c) What is an Object Adapter. [6+5+5]
7. (a) Distinguish Applets and Beans.
(b) What is meant by component packaging. [8+8]
8. Give the overview of an EJB architecture. [16]

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1. What exactly is the meaning of Centralized computing and Distributed computing. Explain the advantages and disadvantages of both the environments. [16]
2. (a) RMI directly integrates a distributed object model into the JAVA language. Comment.
(b) What is the relation between Class and Interface? Do the RMI Clients interact with interfaces or with Classes? Why. [10+6]
3. What is Event. How events are generated and received. [16]
4. (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]
5. (a) Define
 - i. Module
 - ii. Operation.
(b) How transparency is provided when CORBA program is run locally/remotely
(c) Explain Applet with its life cycle. [5+5+6]
6. (a) Discuss in brief about core CORBA interfaces.
(b) Write in detail about Trader Service. [8+8]
7. Give a brief notes on the interfaces and classes provided by java.beans package. [16]
8. Discuss and explain different EJB deployment classes with their methods. [16]
