Code :R7420206 **1**

IV B.Tech II Semester(R07) Regular Examinations, April 2011
OBJECT ORIENTED PROGRAMMING
(Electrical & Electronics Engineering)

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

Answer any FIVE questions
All questions carry equal marks

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1. (a) Define a Java Applet. Distinguish between Applet and application programs.
   (b) Explain the OOP principles with example.
2. (a) Explain with suitable examples:
      i. Strings
      ii. Arrays
   (b) Discuss the features of packages.
3. (a) Describe any four methods in the String Tokenizes Class.
   (b) Explain the CharAt() and setcharAt() methods of the StringBuffer class.
4. (a) What is the purpose of static member variables and static methods.
   (b) Explain about an Adapter Class.
5. (a) List out the various categories of compile time errors.
   (b) Explain the event driven programming.
6. Discuss the concept of exception handling with suitable examples.
7. (a) Define a servlet. Briefly explain java servlets.
   (b) Write about stream classes in java.
8. What is network socket? Briefly explain the reserved sockets.

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Code :R7420206 **2**

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

Answer any FIVE questions
All questions carry equal marks

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1. Explain the properties of java languages.
2. (a) Name any four java packages. Give any two classes of a package.
   (b) Write a java program that counts the number of objects in that program.
3. (a) Write a program to illustrate the multiple inheritance.
   (b) Write about Abstract class and early binding.
4. Write a sample program to handle Mouse events and Window events.
5. (a) Define an exception? How the programmer can handle it.
   (b) Write a program to demonstrate that the catch specifying the super class catches the sub class exceptions.
6. (a) Briefly explain the character streams in java.
   (b) Explain the deadlock by means of a program.
7. (a) Explain the stored procedures with JDBC.
   (b) Write a program to handle HTTP get request?
8. How can you create server application? What are the uses of server socket class?

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Code :R7420206 **3**

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

Answer any FIVE questions
All questions carry equal marks

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1. (a) Write a program to check whether the given string is palindrome or not.
   (b) What is garbage collection? Explain.
2. (a) Explain about the various access specifies in java in detail.
   (b) Explain about the inner classes with an example.
3. (a) Explain about runtime polymorphism in java by means of a program using object reference variable.
   (b) Contrast: this Vs super.
4. Write a program which illustrates all the mouse and window events.
5. (a) Explain how a multiple catch statement works?
   (b) Illustrate dynamic binding with a java program.
6. (a) Explain how Exception handling mechanism can be used for debugging a program.
   (b) Write a program to copy the contents of one file to another file.
7. Explain about the life cycle of a servlet? Where does the bask servlet fit into the servlet framework.
8. (a) How to write stored procedures with JDBC.
   (b) What is prepared statement? Explain with an example.

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Code :R7420206 4

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1. Write down the properties of java languages.
2. (a) Write short notes on the following:
   i. Data Abstraction
   ii. Data binding
   iii. Garbage collection
   iv. Virtual destructor.
   (b) Discuss about the packages of java language.
3. Write a java program that uses the length() and capacity() methods of the String Buffer Class. Give the output.
4. Describe about various components in swing.
5. (a) Explain how to create a user defined exception.
   (b) Discuss about the nested try statement with an example.
6. (a) Write about the thread properties. Give a sample program.
   (b) Write the differences between process and thread.
7. Discuss the life cycle of an Applet write the sample program.
8. (a) How can you protect sensitive information.
   (b) Explain about TCP/IP sockets.

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