Code No: A109211801 **R09** **Set No. 2**

II B.Tech I Semester Examinations,May 2011
OBJECT ORIENTED PROGRAMMING
Common to Electronics And Computer Engineering, Metallurgy And Material Technology

Time: 3 hours **Max Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

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1. (a) What is meant by Event Listener Interface? Explain the ActionListener and ComponentListener Interfaces.
   (b) Discuss about MouseMotionListener and WindowListener Interfaces. [8+7]
2. Write short notes on the following:
   (a) Applet architecture
   (b) Applet initialization
   (c) Applet class [15]
3. Write a program that illustrates object specialization and despecialization. [15]
4. (a) Discuss with a sample Java program explaining the need of defining multiple catch clauses.
   (b) What is meant by *nested try* statements? When will they be used? Explain it with a sample Java program. [7+8]
5. (a) Explain about the method overriding in Java.
   (b) Write a java program to implement the method overriding. [7+8]
6. What are the various methods defined in the Thread class? Explain their usage with a sample Java program. [15]
7. (a) Differentiate between method overloading and method overriding.
   (b) Write a program to implement the method overloading. [7+8]
8. (a) Define multiple inheritance. Does Java Support multiple inheritance. Justify your answer.
   (b) Write java program to implement the multilevel Inheritance. [7+8]

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Code No: A109211801 **R09** **Set No. 4**

II B.Tech I Semester Examinations,May 2011
OBJECT ORIENTED PROGRAMMING
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Time: 3 hours **Max Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

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1. (a) What is recursion? Explain in detail.
   (b) Write a program to display fibonacci series. [8+7]
2. (a) What is a class and object? Is there any relationship between them.Explain.
   (b) What is a member function and data members? Explain briefly. [7+8]
3. (a) Discuss member access using Inheritance.
   (b) What are the advantages of Inheritance? [8+7]
4. (a) Discuss the advantages of multithreaded programming. And also list some of the applications where we require multithreaded programming.
   (b) Explain with a sample Java program, how to achieve inter thread communication. [8+7]
5. Discuss the following Event Listener Interfaces and also discuss various methods declared in it.
   (a) WindowFocusListener
   (b) TextListener
   (c) KeyListener
   (d) MouseListener [15]
6. Discuss about the methods defined by object output stream. [15]
7. What is a BitSet class? List out various constructors and methods defined in it. Discuss their usage. [15]
8. (a) Discuss various constructors and methods that are defined in the JComboBox class and JComponent class
   (b) Write a sample Java program to show how to create Combo boxes and Labels. [8+7]

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Code No: A109211801 **R09** **Set No. 1**

II B.Tech I Semester Examinations,May 2011
OBJECT ORIENTED PROGRAMMING
Common to Electronics And Computer Engineering, Metallurgy And Material Technology

Time: 3 hours **Max Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

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1. Discuss in detail about creation of threads, thread synchronization and interthread communication. [15]
2. (a) Write the differences between abstract class and interfaces.
   (b) Give illustration on Importing Packages. [8+7]
3. Discuss the following event classes:
   (a) AdjustmentEvent
   (b) ComponentEvent
   (c) FocusEvent
   (d) InputEvent [15]
4. (a) Does System class inherits by default in every java program. Justify your answer.
   (b) Explain about various method in System Class. [8+7]
5. Explain the following String class methods with a sample Java program to describe their usage.
   (a) subString( )
   (b) concat( )
   (c) replace( )
   (d) regionMatches( ) [15]
6. (a) What is inheritance? How inheritance promotes software reuse?
   (b) How to create class by inheriting from existing class? [7+8]
7. What are the constructors defined in the JCheckBox class? Write a Java program to create an applet that displays four check boxes and a text field. [15]
8. Explain the method that initialize the object with an example. [15]

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Code No: A109211801 **R09** **Set No. 3**

II B.Tech I Semester Examinations,May 2011
OBJECT ORIENTED PROGRAMMING
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Time: 3 hours **Max Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks

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1. (a) Explain about the hierarchical inheritance.
   (b) Write a java program to implement the hierarchical inheritance. [8+7]
2. Discuss the constructors and methods defined in the following AWT controls:
   (a) Labels
   (b) Buttons
   (c) Check Boxes [15]
3. What is meant by exception handling? Discuss how exception handling will be done in Java. Give suitable examples. [15]
4. (a) Explain with an example how to create threads by implementing the Runnable interface.
   (b) What is meant by thread priority? Discuss its significance with a sample Java program. [7+8]
5. (a) Discuss about JApplet, JFrame and JComponent.
   (b) What are the methods of Icon interface implemented by ImageIcon class? Explain them with suitable examples. [7+8]
6. What are the methods defined by Object Output and Object Input class? Explain. [15]
7. (a) How the access to class members is controlled in java? Explain.
   (b) Write a program illustrating the access specifiers. [7+8]
8. (a) What is complex number? How a complex number is defined?
   (b) Write a complex class test program. [8+7]

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