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MANIPAL INSTITUTE OF TECHNOLOGY
(Constituent Institute of Manipal University)
MANIPAL-576104

FOURTH SEMESTER B.E END SEMESTER DEGREE EXAMINATION –JULY2011
20-07-2011

SUBJECT: CSE -210 EVENT-DRIVEN PROGRAMMING USING JAVA

Time: 3 Hour Max. Marks: 50

Instructions to Candidates

- Answer any 5 of the following.

1.a. What are wrapper classes? List any four wrapper classes. 2M

b. "Unexpected Compiler errors can result when overloading a method that takes variable length arguments" Justify this with an example. 3M

c. What are interfaces ? how are they different from abstract classes?. 2M

d. Give the table which shows various member access mechanism in java. 3M

2.a. With a suitable example, explain nested try statement . 5M

b. Explain the need for synchronization with an example program. 5M

3. a. Write a Java program to copy one file to another using character stream classes. 5M

b. What are adapter classes? Why are they required? Give an example to show their usage. 5M

4. a. What are LayoutManagers? Name and explain any two layout managers. 5M

b. Explain various methods available to work with Frame window in AWT. 2M

c. Explain the 7 steps required to execute a JDBC program. 3M

5. a. Using Swings, design an application program to convert temperature in Farenheit to Celecius. 5M

b. What are servlets? Explain their life cycle. 5M

6.a. What is the output of following error free code. 10M

```
   class A{
     int x,y;
     static int z;
     static{
          System.out.println("Hi I am A's static block");
          z=z*1;
     }
     A() {System.out.println("I am in A's Constructor");}
     A(int x,int y){
     this.x=x; y=y;}
     A(int x){this.x=this.y=x;}
     public void meth1(){
          System.out.println("Iam inside meth1 of A");
          }
          public void meth1(int a){
               System.out.println(a);
          }
     }

class B extends A{
     int a[][]={{1,2},{3,4},{5,6}};
     B() {}
     public void meth1(){
          System.out.println("I am inside meth1 of B");
          System.out.println(x+" "+y+" "+z);
          lab1: for(int i=0;i<a[0].length;i++)
          for(int j=0;j<2;j++){
               if(i>j) break lab1;
               System.out.println(a[i][j]);
          }
     }

}
public class Test {

     public static void main(String[] args) {
                    A ob1=new A(1,2);
                    A ob2=new B();
                    A ob3=new A(1);
                    B ob4=new B();
                    ob1.meth1();
                    ob3.meth1();
                    ob2.meth1();
                    ob4.meth1(6);

     }}
```