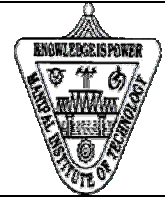| Reg No.									

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

FOURTH SEMESTER- END SEMESTER MAKE-UP EXAMINATION
(27-07-2008)
SUBJECT : EVENT-DRIVEN PROGRAMMING WITH JAVA (CSE 210)
(REVISED CREDIT SYSTEM)

TIME : 3 HOURS   MAX.MARKS : 50

Instruction to Candidates
- Answer **any five** full questions
- Missing data can be suitably assumed

1.A. Draw a flowchart to show process of building and running java application programs.
B. Explain primitive data types.
C. Are the code fragments given below valid ? If yes ,what is the output after execution ? If no ,why not?

(i) Class MyThread implements Runnable
{ static public void main(string args[])
{Thread t= new thread(new MyThread());
t.start();
}
Public void run (string msg)
{System.out.println("In run method"+msg);
}
}
(ii) Public class Base{
Int i=1;
Base( ){i++;}
Void m( ){System.out.println("i="+i);}
Public static void main (string arg[ ])
{Base b = new Derived( );
b.m( );}
}

(p.t.o)

```
Class Derived extends Base{
Public void m ( ){System.out.println("i =" +I );}
Void Derived ( ){i ++ ;}
            }                                           (5+1+4)
```

2. A. What is JDBC ? Explain executeQuery( ) & executeUpdate( ) methods
   B. Using two dimensional array ,write a program to display following
output.

        0 1 2 3 4
        5 6 7 8 9
        10 11 12 13 14
        15 16 17 18 19

   C. List various control structures with examples . Why do we use them?
                                                        (3+4+3)

3. A. What do u mean by multithreaded program?
   B. What is synchronization? How it can be achieved?
   C. Write a program to create a tiny editor, which creates an array of string
objects & reads in lines of text,storing each line in the array to read up to 10
times, until you enter "stop".   (1+4+5)

4 .A. Explain how parameters can be passed to Applets with an example.
   B. Illustrate the usage of Nested and Inner classes.
   C. Show class hierarchy for Panel & Frame (Diagram).   (3+5+2)

5. A. What are packages? Why are they used for?Mention one difference
between package & interface.
   B. What are layout manager? Explain atleast four layout classes with
constructors.
                                                        (3+7)

6.A. Write short note on Introspection.
   B. What is a java bean? Mention it's two advantages.
   C. What are servlets ? Explain how to write & execute a servlets program
using

                        All the best!
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