MCA/M06
Java Prog. And Internet application
MCA -403

Time : 3 Hours   MM:50
Note:- Attempt Five questions in all, All questions carry equal marks.

1   Explain the following.
       (a)   Telnet
       (b)   USENET
       (c)   FTP
       (d)   SMTP
       (e)   ARPANET.

2(a)   How can you publish your own website? Write each step in detail.
 (b)   Write the various services provided by Internet.

   1   What is exception handling? Give an example with multiple catch statement and a
       final method, also discuss how can you create your own exception.
   4(a) Write and explain each cycle in detail of Applet life cycle.
   (b)   Write an applet code for bouncing a ball.

 5 What are interfaces? Why they are used ? Develop a Java Program using inbuilt
    interface of Mouse Listener and Mouse motion Listener.

 6(a) What are wrapper classes and why they are required?
 (b)   Explain character and byte stream classes in JAVA.

 7(a) What are static variables and static methods in Java? How they are accessed?
 (b)   write Java Program to find the average of 20 inputted command line arguments.

 8(a) Explain the concept of function overloading and function overriding by example.
  (b) Write program to demonstrate the concept of package and constructor.

   9   Differentiate:
          (a)   Local and Remote Applet.
          (b)   JDK and AWT
          (c)   Multiple and multilevel inheritance
          (d)   Final and Finally
          (e)   Array and Vector

10   Write a JAVA applet for calculator, which look like as CALCULATOR and
       perform add and multiple operations.