Code.No: 07A40591

R07

SET-1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
II B.TECH II SEM–REGULAR/SUPPLEMENTARY EXAMINATIONS MAY - 2010
OBJECT ORIENTED PROGRAMMING
(COMMON TO CSE, CHEM, IT, CSS, ECC)

Time: 3hours   Max.Marks:80
Answer any FIVE questions
All questions carry equal marks
- - -

1.a)   Describe with a flow chart how various tools are used in the applet development.
  b)   Java is called the "Plotform independent language". Why is it Plotform independent.
  c)   What is a class? How do classes help us to organize our programs?   [6+4+6]

2.a)   Differentiate between static and instance methods.
  b)   Write a program to check the given number is prime or not.
  c)   Write short notes on
       i)   this
       ii)   transient
       iii)   volatile   [4+6+6]

3.a)   Differentiate between composition and inheritance.
  b)   Write a method find_Area that can find the area of the circle/square/rectangle using
       overloading concept.
  c)   What is the use of Super Keyword?   [4+8+4]

4.a)   Define a package? What is the necessity of packages?
  b)   Explain implicit and explicit import statement.
  c)   What is the major difference between an interface and class?   [5+5+6]

5.a)   What is Synchronization? Explain with suitable example.
  b)   Write a program that generates a user defined Exception.   [8+8]

6.   Write a program to create frame window that responds to mouse clicks and
       keystrokes.   [16]

7.a)   Differentiate between an Applet and an Application.
  b)   Write a Java Program to display the following 3 by 3 Magic Square (Total = 15) using
       JTable.

2	9	4
7	5	3
6	1	8

                                                                                                      [6+10]

8.a)   Write a Client Server Program where client sends messages and server should receive
       and print on its monitor.
  b)   Explain the steps involved in establishing URL connection.   [8+8]

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