BACHELOR IN COMPUTER APPLICATIONS

Term-End Examination

December, 2010

CS- 74 : INTRODUCTION TO INTERNET PROGRAMMING

Time : 3 hours   *Maximum Marks : 60*

Note :   *Question No. 1 is* **compulsory.** *Attempt* **any two** *from the rest. Use* **Java** *as programming language.*

1.   (a)   Compare the following :   10

   (i)   transient and **volatile**

   (ii) $= =$ and equals ( )

   (iii)   Interface and **Abstract class**

   (b)   Write a program in Java that accepts a file   10
   as input and prints its contents to standard
   output in reverse order. That is, the last
   line of the file is printed as first line.

   (c)   Write a program in Java to add two complex   5
   numbers.

   (d)   What do you mean by a layout manager ?   5
   Explain GridBaglayout in detail with an
   example.

2. (a) What is overloading ? What is overriding ?   10
        Explain the differences between them.

   (b) What is the function of *this* keyword in Java?   5

3. (a) Explain *join ( )* method with an example.   10
        To which class in Java does it belong to ?

   (b) Explain the function of *finalize ( )* in Java   5
        with an example.

4. (a) Write a program in Java that accepts 5   10
        strings as input and prints those strings as
        output which consist of atleast one vowel.

   (b) If Java, a platform independent language ?   5
        Justify your answer.

5. (a) Explain the differences between AWT, and   10
        swing. Why do you prefer to use swing over
        AWT ?

   (b) Write a program in Java that accepts a string   5
        as input and checks whether it is a
        palindrome or not.

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