| CS-74 |

BACHELOR OF COMPUTER APPLICATIONS
(PRE - REVISED)
Term-End Examination
December, 2013

CS- 74 : INTRODUCTION TO INTERNET PROGRAMMING

Time : 2 hours   *Maximum Marks : 60*

Note :   *Question No. 1 is* **compulsory.** *Attempt* **any two** *from the rest.*

1. (a) What is super key word in Java ? Explain with example.   5

    (b) Differentiate between overloading and overriding with the help of suitable example.   8

    (c) Write the output of the following code segments :   3+3

         (i)   int $i = 8, j = 1$;
               $i >> j + 2$;

         (ii)   int $x = 10, y = 5$;
               if ($x! = 10$ and $y + + < 10$)
                     $x = y$
               System. out. print ln $("x = " + x)$;
               System. out. print ln $("y = " + y)$;

    (d) What is byte code in Java ? Explain.   4

    (e) Static function can operate only on static data. Explain.   4

    (f) How does repaint ( ) method work for Applets in Java ?   3

2. (a) Write a program in Java to print the **7** following output using 2 - D array for a given integer n.

1
2 2
3 3 3
4 4 4 4
.
.
.
n n n n - - - n

(b) Write a program in Java to copy one file to **8** another file using command line arguments.

3. (a) Differentiate between throw and throws in **8** Java with the help of an example.

(b) Package pac 1 ; **4**
   public class one {
                   int i = 1 ;
                private int j = 2 ;
                protected int k = 3 ;
                public int l = 4 ;

   .
   .
   .
   }
   if class Two is defined in another package pac 2, then what are the variable accessible in Two ? Explain with example.

(c) What is Java virtual machine ? Explain. **3**

4. (a) What is the difference in final and finally in **8**
Java ? Explain with example.

(b) Write the output of the following : **4**
Class Example {
 public static void main (string args [ ])
  { int i, j, k ;
   $i = j = k = 1$;
   If (k = =1 and J+ +<6)
    $i = 5$;
System. out. println $(i+$ " " $+j+$ " " $+k)$;
  }
Justify your Answer

(c) What is this key word ? Explain. **3**

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