CS-74

BACHELOR IN COMPUTER APPLICATIONS

Term-End Examination

June, 2012

04797

CS- 74 : INTRODUCTION TO INTERNET PROGRAMMING

Time : 2 hours   *Maximum Marks : 60*

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

1.   (a)   What is class in oop ? Write a Java program   **10**
which create a student object and display
students basic information by appropriate
method call. Make and state necessary
assumptions.

(b)   What is a switch statement ? Give an   **6**
example of a situation where it cannot be
used. Write a program fragment to show
how that situation can be coded.

(c)   What is an Applet program ? Write any   **4**
three differences between Applet and
Application program.

(d)   Write a Java program to add two 3x3   **10**
matrices.

2. (a) What is inheritance ? How it is implemented **10**
in Java ? Create a class named Account and
create another class named Saving -
Account by extending the Account Class.

   (b) What is *static* in Java ? Explain why the **5**
main method in Java is always static.

3. (a) Write an applet program which draw a **10**
circle inside a rectangle. Fill the circle with
blue color.

   (b) What is a bitwise operator ? List any five **5**
bitwise operators of Java. Give an example
of use of bit wise operator.

4. (a) Does Java support multiple Inheritance ? **7**
Can Interfaces be used to achieve the
multiple Inheritance in Java ? Explain with
an example.

   (b) What is a package ? Which package is by **8**
default imported in a Java program ?
Explain the benefit of using pakage with an
example.

5. (a) What is a multithreading ? Give two **8**
advantages of multithreading. Explain one
way of creating thread in Java. Also explain
how a thread priority is set in Java ?

   (b) What is Layout Manager ? Explain Flow **7**
Layout and show how Flow Layout is set
in Java through an example program ?