

00362

**BACHELOR IN COMPUTER APPLICATIONS****Term-End Examination****June, 2011****CS-74 : INTRODUCTION TO INTERNET  
PROGRAMMING***Time : 3 hours**Maximum Marks : 75*

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

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1. (a) How does Java Prog. Support robustness ? 4
- (b) Write the precedence of the following operators. 2  
<> [ ] ~ >> ( )
- (c) Is it possible to convert string into numbers ? 5  
Explain with the help of suitable example.
- (d) State whether True or False for the following statements : 5
  - (i) A subclass cannot call the constructor of it's super class.
  - (ii) The Array size in Java is fixed after it is declared.
  - (iii) A default member function of a class can not be accessed outside the package in which this class is declared.

- (iv) If no exception is thrown from a try block, then control passes to finally block after the closing braces of the try block.
  - (v) A Native method is a method which is not written in Java.
  - (e) Differentiate between transient and volatile keyword in Java. 4
  - (f) What are the various ways to execute an Applet ? 5
  - (g) Write an Applet showing the sequence of method executed during the life cycle of an Applet. 5
- 2.
- (a) When do we use protected specifier in a Java program ? Explain with example. 6
  - (b) What is method overloading ? Explain. 6
  - (c) How Garbage Collection is performed in Java ? 3
- 3.
- (a) What is a package ? Why do we need package ? Explain. 5
  - (b) Differentiate between while and do - while with the help of suitable example. 5
  - (c) Write a program to accept two numbers at the command line and print out their product. 5

4. (a) Can you extend interfaces in Java ? Explain with example 5
- (b) What is the method to retrieve the color of the text ? Write a program to retrieve the RGB values of a color. 6
- (c) What is a stream ? Differentiate between stream source and stream destination. 4
5. (a) What will happen if main thread finishes before the child thread ? How do you make sure that child thread gets terminated first ? 6
- (b) What is built - in Exceptions in Java ? Explain the use of any one of them with the help of suitable Example. 6
- (c) How many Listeners are there for trapping mouse movements ? Explain briefly. 3
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