

**BACHELOR IN COMPUTER  
APPLICATIONS****Term-End Examination****June, 2007****CS-74 (S) : INTRODUCTION TO INTERNET  
PROGRAMMING***Time : 3 hours**Maximum Marks : 75*

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**Note :**

- (i) Question number 1 is **compulsory**.
  - (ii) Attempt any **three** questions from the rest.
  - (iii) Use Java, wherever necessary.
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- 1. (a) Explain the features of any four Java Libraries. 8
- (b) List any 12 Java reserved words. 6
- (c) Explain the states of a thread with figure. 10
- (d) What is meant by Serialization ? Also, differentiate between *Transient* and *Volatile* keywords. 6

2. (a) Draw the hierarchy chart for Java.applet.Applet class. 5
- (b) Write an applet that accepts a string as input and prints it in reverse order. 5
- (c) How does an interface differ from a class ? Write at least two advantages of interfaces. 5
3. (a) Write a program in Java that accepts a string as input and converts it to a number. 5
- (b) Explain the *final* keyword with an example. 5
- (c) How are multiple exceptions handled in Java ? Give an example. 5
4. (a) Explain any two features of Java. 5
- (b) Write escape sequence for the following : 5
- (i) Line feed
- (ii) Back slash
- (c) What are wrapper classes and inner classes ? Give an example of each. 5
5. (a) Explain the *finally* reserved word with an example. 5
- (b) Explain *ClassNotFoundException* and *NullPointerException*. 5
- (c) Explain the process of adding classes to existing packages. 5