

02989

BACHELOR IN COMPUTER APPLICATIONS

Term-End Examination

June, 2010

**CS- 74 : INTRODUCTION TO INTERNET
PROGRAMMING**

Time : 3 hours

Maximum Marks : 75

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

1. (a) Differentiate between nested and inner classes. Explain with an example. 10
- (b) Write a program for I/O operation using Buffered Input Stream and Buffered Output Stream that accepts user name, age and address from the user and displays it on the console. 10
- (c) Write an applet that reads two strings and displays the larger string among them. 10

2. (a) What is run-time polymorphism ? How does it differ from compile-time polymorphism ? Explain with an example. 10
- (b) What are threads ? How can they be created ? 5

3. (a) Write a program in Java to generate the following output, using two-dimensional array : 10
- ```
a
a b
a b c
a b c d
```
- (b) What is the role of a default exception handler in Java ? Differentiate between 'throw' and 'throws'. 5
4. (a) Write a program that accepts two files as input and appends the content of first file to second file. 10
- (b) Explain the advantages of *super* keyword in Java. 5
5. (a) Write GUI Java application to simulate the simple calculator. The calculator should be able to do the basic operations. 10
- (b) Explain static methods and static variables in Java. 5
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