

	FINAL TERM EXAMINATION FALL 2006 CS508 - MODERN PROGRAMMING LANGUAGES (Session - 1)	Marks: 60 Time: 120min
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StudentID/LoginID: _____

Student Name: _____

Center Name/Code: _____

Exam Date: Monday, February 19, 2007

Please read the following instructions carefully before attempting any of the questions:

Note: This paper is Close book and Close Handouts

1. Attempt all questions. Marks are written adjacent to each question.
2. Do not ask any questions about the contents of this examination from anyone.
 - a. If you think that there is something wrong with any of the questions, attempt it to the best of your understanding.
 - b. If you believe that some essential piece of information is missing, make an appropriate assumption and use it to solve the problem.
 - c. Write all steps, missing steps may lead to deduction of marks.

****WARNING: Please note that Virtual University takes serious note of unfair means. Anyone found involved in cheating will get an `F` grade in this course.**

For Teacher's use only											
Question Marks	1	2	3	4	5	6	7	8	9	10	Total

Question No: 1 (Marks: 2) - Please choose one

Java has a String class which is not exactly an array of

- ▶ Char
- ▶ Elements
- ▶ Indices
- ▶ Long

Question No: 2 (Marks: 2) - Please choose one

How many string operators are in PHP?

- ▶ 2
- ▶ 3
- ▶ 4
- ▶ 10

Question No: 3 (Marks: 2) - Please choose one

If you want an argument to a function to always be passed by reference, you can prepend

- ▶ Percentage sign (%) to the argument name in the function definition
- ▶ Dollar sign (\$) to the argument name in the function definition

- ▶ An ampersand (&) to the argument name in the function definition
- ▶ Tilled sign (~)to the argument name in the function definition

Question No: 4 (Marks: 2) - Please choose one

How many modes for the source code are in C# ?

- ▶ One
- ▶ Two
- ▶ Three
- ▶ Four

Question No: 5 (Marks: 2) - Please choose one

Which chaining type is used by Prolog?

- ▶ Backward
- ▶ Forward
- ▶ Up
- ▶ Horizontal

Question No: 6 (Marks: 10)

What is meant by binding time? What are the five possible binding times? Explain each briefly.

Question No: 7 (Marks: 10)

What are the enumeration and subrange types? Differentiate these two in points.

Question No: 8 (Marks: 10)

- a) What is the purpose of type conversion? (5)
- b) Differentiate between the implicit and explicit type conversion with respect to Java. (5)

Question No: 9 (Marks: 10)

- a) What are interpreted and compiled languages? Give examples (5)
- b) Differentiate between client side scripting and server side scripting languages? (5)

Question No: 10 (Marks: 10)

- a) Describe the programming steps in Prolog? (5)
- b) Explain the Prolog features regarding its applications in real world. (5)