

PRINCE OF SONGKLA UNIVERSITY
FACULTY OF ENGINEERING
Department of Computer Engineering

Final Examination: Semester 1

Academic Year: 2006-2007

Date: Saturday 2nd Oct 2006

Time: 13.30 – 15.30

Subject Code: 240-322

Room: A400

Subject Title: Client/Server Distributed Systems

Lecturer: Aj. Worraprot, Aj. Dilip

Exam Duration: 2 hours

This paper has 2 pages.

Authorized Materials:

- Writing instruments (e.g. pens, pencils).
- Books (e.g. dictionaries) and calculators are **not** permitted.

Instructions to Students:

- Attempt all questions.
- Write your answers in an answer book.
- Start your answer to each question on a new page
- Clearly number your answers.
- Any unreadable parts will be considered wrong.

When writing programs, use good layout, and short comments;
marks will not be deducted for minor syntax errors

Student ID : _____ Name : _____ Section : _____

ทุจริตในการสอบ โทษขั้นต่ำคือ ปรับตกในรายวิชาที่ทุจริต และพักการเรียนหนึ่งภาคการศึกษา

Part I Answer the following question.

(30 marks)

1. Explain the Client-Server Model in UNIX.
2. What is IP Addresses explain.
3. Explain ISO OSI Model.
4. What are the features of TCP/IP?
5. Explain the difference between TCP/IP and UDP.
6. What is Socket?
7. What are the Socket Types?
8. Explain Iterative Server.
9. Explain Concurrent Server.
10. Why use UDP?
11. What is RPC?
12. What is Client Stub in RPC
13. What is XDR Filter?
14. What are the Networking Restrictions in JAVA?
15. Explain JAVA Threads.

Part II Complete any One of the following program

(10 marks)

1. Write an ANSI C program that Echo Server reads the lines sent by the client, and echoes them back, converted into upper case.

(OR)

2. Write an ANSI C server program to print sequential primes counter.