System Level Design - Apr 2025

Name: **CSC3320**

When answering the questions below, make sure to show all of your work. Pay attention to the point values on each question. State your assumptions, and explain your answers thoroughly. Remember that an explanation is expected with every answer except the multiple choice and true/false questions when the answer is true. Use blank paper if you do not have enough room. Time: 20 Hours | Total Marks: 10

undefined

I. Answer all the following   Marks: 8

1. List correct command in linux

    a) ls

    b) mkdir

    c) cd

    d) all-----

2. What happens to the child when the parent dies?

    a) Adopted by init

    b) Also dies

    c) Becomes zombie

    d) Runs forever

3. Which of the following is not a system call?

    a) printf()

    b) fork()

    c) exec()

    d) wait()

4. What does the `exit()` system call do?

    a) Terminates the current process

    b) Creates a child process

    c) Waits for child

    d) Sends signal

5. What happens if `fork()` fails?

    a) Returns -1

    b) Returns 0

    c) Returns 1

    d) Terminates system

6. Which system call ends the execution of a process?

a) exit()

b) fork()

c) kill()

d) wait()

7. Which system call replaces the current process image?

a) exec()

b) fork()

c) exit()

d) wait()

8. What are Linux commads

a) cd

b) ls

c) mkdir

d) All

II. Answer below   Marks: 2

1. What is mean by linux?