ICST102 - Computer Programming 1

Preliminary Exam -- July 8, 2013

1. Sample answer:

An operating system is a software or a collection of software

used to manage the resources of a computer, such as I/O and

other peripheral devices.

2. Sample answer:

A compiler is a software that translates a program written in

a high level programming language like C++ into a program

written in machine code.

3. 0 to 255

4. (a) 1

(b) 1

(c) 10

(d) 2.5

5. (a) false

(b) true

(c) true

(d) false

6. double speed, time;

unsigned int count = 15;

7. cout << "The price tag is " << priceTag << " pesos\n";

8. (a) z = x + y;

(b) cin >> x;

(c) cout << "hello world";

9. (a) x \* x - 4 \* y \* z

(b) p / (1 + r)

(c) (x - y) / (2 \* z) + (2 \* x)/(y + z)

(d) -b / (2 \* a)

10. Sample answer:

#include <iostream>

using namespace std;

int main()

{

float q1, q2, q3;

cout << "Enter three quiz scores: ";

cin >> q1 >> q2 >> q3;

cout << "Average quiz score is " << (q1 + q2 + q3) / 3 << endl;

return 1;

}