Name: KEY Id#

## ICS 103, Term 132

## Computer Programming in C Quiz# 1

Date: Tuesday, Feb. 11, 2014

Butel 1465441, 1661 11, 2611
Q1. Fill the blank in each of the following:
(1) <u>RAM</u> is volatile memory that can be accessed in any order (as opposed to sequential access memory).
(2) <u>Flowchart</u> is a diagram that shows the step-by-step execution of a program.
(3) Part of the Software development, analyzing the problem <u>involves identifying the problem's inputs</u> , <u>outputs</u> , <u>and additional requirements</u> .
(4) In C language, the data type <u>int</u> is used for representing integers, the data type <u>double</u> is used for representing real numbers and the data type <u>char</u> is used for representing characters.
(5) To read a real number and store it in variable <b>score</b> , the following statement is used: <a %lf",="" &score"="" href="mailto:scanf(">scanf("%lf", &amp;score</a> );
(6) Anything after the symbol <u>//</u> and before the end of the line is considered a comment.
(7) Compilers translate high-level language into machine language.

**Q2.** Find the values of the following expressions.

Expression	Value
(double) (23/3)	7.0
672/100%5	1
(double) 6 / (int) 2.5	3.0
14/4*4.0	12.0
int x= 1.8;	x = 1
double y= 8/3;	y = 2.0

**Q3.** In the grid below, assume that each square represents a space and each row represents a line on the screen. Show how the output of the following program will be displayed.

```
#include <stdio.h>
int main(void) {
    int i=-956;
    double j=99.517;
    printf("%7.0f %10.2f\n",j,j);
    printf("%3d %6d",i,i);
return 0;
}
```

					1	0	0						9	9	•	5	2		
-	9	•	5	6				-	9	5	6								