## ICS 103, Term 083

## Computer Programming in C

## Quiz\# 1

Date: Tuesday, July 21, 2009

Q1. Fill the blank in each of the following:
(1) $\qquad$ is volatile memory that can be accessed in any order (as opposed to sequential access memory).
(2) $\qquad$ is non-volatile memory that cannot be written to.
(3) Examples of secondary memory include $\qquad$ and $\qquad$ .
(4) $\qquad$ coordinates all computer operations and performs arithmetic and logical operations on data.
(5) $\qquad$ controls the interaction between machine and user.
(6) $\qquad$ translates high-level programs to machine code.
(7) $\qquad$ turns the Object File into an Executable.
(8) Advantages of programming in high level languages include
$\qquad$ and $\qquad$ .
(9) Advantages of programming in assembly language include
$\qquad$ and $\qquad$ .
$\qquad$
(11) Algorithm is $\qquad$ .
(12) The benefit of pseudo code is $\qquad$
(13) The \# include<stdio.h> directive is used to $\qquad$
$\qquad$ .
(14) The \#define M 5 directive instructs the preprocessor to $\qquad$
$\qquad$ .
(15) In C language, the data type $\qquad$ is used for representing integer numbers, the data type $\qquad$ is used for representing real numbers and the data type $\qquad$ is used for representing characters.
(16) The expression $4+6 / 2+3$ evaluates to $\qquad$ .
(17) The expression (double) $6 / 4$ evaluates to $\qquad$ .
(18) The expression $8.0 * 10 / 4 * 5-1$ evaluates to $\qquad$ -
(19) The expression $8.0+10 / 4 * 5-1$ evaluates to $\qquad$ .
(20) The expression $35 \% 15 \% 2$ evaluates to $\qquad$ .

Q2. Show the output of the following program in the space provided below it. Each square corresponds to one space.

```
#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;
}
```

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

