Name:…………………… Q3
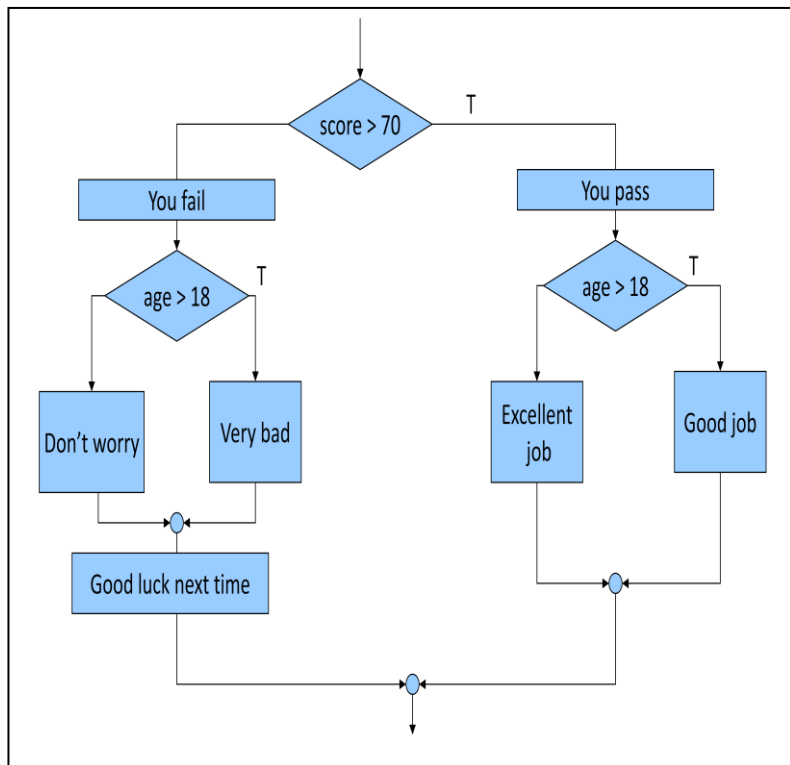
CS 1713 Intro to Programming II

1. (3pt) Draw the flowchart for the following if-else statement.

```
if( A > 8) {
    A=b+c;
    if(A < 4)
        B=b*c;
    if(A > 8)
        B=b/c;
} else {
    A=b-c;
    if(A < 5)
        B=b+c;
    else
        B=b%c;
    A=B;
}
```

2. (3pt) Write if-else statement for the following flowchart.

3. (4pt) Complete the following C program that asks user to enter his/her *net income* as **ni**. Then, it computes the *income tax due* as **itd** based on the following rate schedule and prints it.

net income range		income tax due
$0	$15,000	None
$15,001	$25,000	5% of net income after $15,000
$25,001	∞	5% of net income between $15,000 and $25,000 (that is $10,000) + 10% of net income after $25,000

```c
#include <stdio.h>
int main(void)
{
   /*  Declare variables.  If needed, you can declare more*/
   double ni, itd;
```