

COP 3223 Sec 1: Fall'08 C Programming Test 1 Practice (50 points)

1. (10 points)

Write down the printed output of this program. Mark your blank chars too.

WRITE YOUR OUTPUT BELOW HERE

```

#include <stdio.h>
int main(void)
{
    float f;
    int a,i;
    a = 0;
    a = a + 1;
    printf ("A= %d\n", a);
    a += 2;
    a--;
    a++;
    printf ("B= %d\n", a);
    i=2;
    f=5.0;
    printf ("F= %f\n", f/i);
    a=5;
    printf ("C= %d\n", a/i);

    return 0;
}

```

```

-----
Out Line 1 |
|
Out Line 2 |
|
Out Line 3 |
|
Out Line 4 |
|
Out Line 5 |
|
Out Line 6 |
|
|
|

```

2. (10 points)

Write down the printed output of this program. Mark your blank chars too.

WRITE YOUR OUTPUT BELOW HERE

```

#include <stdio.h>
int main(void)
{
    float f;
    int a,i;
    a = 0;
    a = a + 1;
    printf ("A= %4d\n", a);
    a += 2;
    a = a % 2
    a++;
    printf ("B= %5d\n", a);
    i=2;
    f=5.0;
    printf ("F= %6.2f\n", f/i);

    return 0;
}

```

```

-----
Out Line 1 |
|
Out Line 2 |
|
Out Line 3 |
|
Out Line 4 |
|
Out Line 5 |
|
|
|

```

3. (15 points) Trace the following program:

ENTER YOUR TRACE BELOW

Prog Line #	a	b	c	print or other action
1. #include <stdio.h>				
2.				
3.				
4. int main(void)				
5. {				
6. int a=1 , b=4, c=3;				
7. a += 2;				
8. if (a <= b)				
9. {				
10. if (b <= c)				
11. printf ("c= %d\n", c);				
12. else				
13. printf ("c= %d\n",a+c);				
14. }				
15. else				
16. printf ("b= %d\n", b);				
17. b -= 1;				
18. if (a <= b)				
19. printf ("a= %d\n", a);				
20. else				
21. printf ("b= %d\n", b);				
22.				
23.				
24. return 0;				
25. }				

