

**Question 1 (18 POINTS):**

**Find the output of the following programs:**

**I)**

```
#include<stdio.h>
int main(void){
int k, m, n;
n = 0;
for(k = -7; k < 13; k += 4){
    n++;
    for(m = 3; m <= 6; m += 5)
        n += 4;
    n += 2;
}
printf("%d\n%d\n%d\n",n,k,m);
return(0);}
```

**OUTPUT**

**II)**

```
#include<stdio.h>
int main(void){
int k = 0, x = 5, done = 0;
do{
    done = 1;
    scanf("%d",&x);
    for(k = x + 1; k > 4; k--)
        done = 0;
} while(x != 5 && !done);
printf("%d %d\n%d\n",x,k,done);
return(0);}
```

**OUTPUT**

**The Input for this Program is:**

6 7 2 5

**III)**

```
#include<stdio.h>
int main(void){
int i = 10, j = -6;
while(i < 12){
    while(-1 > j){
        printf("%d %d\n",i,j);
        j = j + 3;
    }
    i = i + 1;
}
printf("%d %d\n",i,j);
return(0);}
```

**OUTPUT**

**See Next Page!**

