## **Control Flow**

Q1 What will be the output of the program? #include <stdio.h> int main() {  $a + t = = b \Rightarrow =$ int k, a=1, b=2;k=(a++==b) ?2:3;0 = 1 b = 2printf("%d\n",k); return 0; } A. 0 B. 1 C. 2 D. 3 Answer: (C) Q2 What will be the output of the program? #include <stdio.h> int main() int x=10, y=20; if(!(!x) && x) printf("%d",x); else printf("%d",y); return 0; } A. 20 B. 0 C. 10 D. 1 Q3 What will be the output of the program? #include<stdio.h> int main() Inequality evaluated first then the postfix operator int m=5; if  $(\underline{m++>5})$  printf("%d\n",m);

else printf("%d\n", m--);

```
return 0;
}
A. 4
B. 5
C. 6
D. 7
Answer: (B)
Q4 What will be the output of the program?
#include <stdio.h>
int main()
    int x=1, a=0, b=0;
    switch (x)
        case 0: b++;
        case 1: a++;
        case 2: a++; b++;
    printf("%d,%d\n",a,b);
                           no break so case
2 also executed
    return 0;
}
A. 2,1
B. 1,1
C. 1,0
D. 2,2
Q5 What will be the output of the program?
#include <stdio.h>
int main()
{
    int s=1, k=0;
    switch(s)
        case 1: k+=1; break;
        case 2: k+=2; break;
        default: k+=3;
    printf("%d\n",k);
    return 0;
}
```

A. 0

```
B. 1
C. 2
D. 3
Answer: (BV
```

## Q7

```
What will be the output of the program?
#include <stdio.h>
int main()
{
    int i=10,j=0;
    do { j=j+1; i--; } while (i>2);
    printf("%d",j);
    return 0;
}
A. 10
B. 9
C. 8
D. 7
Answer: (())
```

Q8 What will be the output of the program?

```
#include <stdio.h>
int main()
    int a,b;
    for (a=1,b=1; a <= 100; a++)
        if (b>=20) break;
        if (b%3==1) T
           b+=3; 4,7,10,13,16,19,22
        b = 5;
    printf("%d",a);
    return 0;
}
A. 7
B. 6
C. 8
D. 9
Answer: (C)
Q9 What will be the output of the program, after executing the
input: 01<CR>?
#include <stdio.h>
```

```
int main()
{
    char k; int i;
                               1,2
    for (i=1; i<3; i++)
      scanf("%c",&k);
        switch (k)
            case '0': printf("another\n");
            case '1': printf("number\n");
    }
                                 no break
    return 0;
A. another
number
another
B. another
number
number
C. another
```

```
number
D. number
number
Answer: (3)
```

Q10 What will be the output of the program?

```
#include <stdio.h>
                                                                  X
int main()
{
    int i,j,x=0;
    for (i=0; i<2; i++)
        x++;
        for (j=0; j<=3; j++)
            if (j%3==1) continue;
    printf("%d",x);
    return 0;
}
A. 10
B. 11
C. 12
D. 13
Answer:
```

Page 5