

Name	ANSWER KEY					A
Roll No.		Dept.		Section		

Instructions:**Total 10 Marks**

1. This question paper contains a total of 1 page (1 side of paper).
2. Write your name, roll number, department, and section on every side of every sheet of this booklet
3. Write final answers neatly with a blue/black pen in the given boxes.
4. **Answers written outside the box will NOT be graded.**

Q. 1: TRUE or FALSE.

(1 x 3 = 3 Marks)

1.	A function may or may not return some value	TRUE
2.	A function should have at least one return statement	FALSE
3.	A function can take at most TWO arguments	FALSE

Q. 2: Write the output of the following program in the appropriate box. (2 + 2 = 4 Marks)

```

int swap(int a, int b) {
    int t = a;
    a = b;
    b = t;
    printf("%d %d\n", a, b);
    return 0;
}
int main() {
    int a = 10, b = 20;
    swap(b, a);
    printf("%d %d\n", a, b);
    return 0;
}

```

Line No.	Output
1	10 20
2	10 20

Q. 3: Following function counts the number of digits in an integer. Complete the function.

(1 x 3 = 3 Marks)

(Write your answers in appropriate blanks)

```

int countdigits(int a) {
    int c = 0;
    while(a > 0) {
        a /= 10;
        c++;
    }
    return c;
}

```