Instructions:

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.**

Total **10 Marks**

Q1: Write the output of the following program in the appropriate box.
(2+1+2+1 = 6 Marks)

Line No.	Output
1	faultdanger
2	ZY
3	P S
4	4

```
1  #include <stdio.h>
2  int main(int argc, char** argv){
3    char fname[10] = "file";
4    char st[20], c1, c2;
5    int t;
6    FILE* fp = fopen(fname, "a");
7    fprintf(fp, "abc def\n");
8    fclose(fp);
9    fp = fopen(fname, "w+");
10   fprintf(fp, "PQRSZY 1010\n");
12   fprintf(stdout, "danger");
13   fprintf(stderr, "fault");
14   fprintf(stdout, "\n");
15   fseek(fp, 4, SEEK_SET);
16   fscanf(fp, "%s", st);
17   printf("%s\n", st);
18   fclose(fp);
19   fp = fopen(fname, "a+");
20   c1 = fgetc(fp);
21   fseek(fp, 2, SEEK_CUR);
22   c2 = fgetc(fp);
23   t = ftell(fp);
24   fclose(fp);
25   printf("%c %c\n", c1, c2);
26   printf("%d\n", t);
27   return 0;
28 }
```

Q2: Write the output of the following executable (math) with source code given below. (2+2=4)

```
$./math 18-3 14+2
```

```
1  #include <stdio.h>
2  int main(int argc, char** argv){
3    printf("%d %s\n", argc, argv[0]);
4    printf("%s\n", argv[argc-2]);
5    return 0;
6  }
```

Line No.	Output
1	3 ./math
2	18-3