

ESC 101: Fundamentals of Computing				Minor Quiz 7		Date: 06 – 03 - 2019	
Name						B	
Roll No.		Dept.		Section			

Instructions:

1. Write final answers neatly with a blue/black pen in the given boxes.
2. Answers written outside the box will NOT be graded.

Total 10 Marks

Q. 1: Write the output of the following program in the appropriate box. **2+2 Marks**

```

1. #include<stdio.h>
2. void swap(char *str1, char *str2) {
3.     char *temp = str1;
4.     str1 = str2;
5.     str2 = temp;
6. }
7. int main() {
8.     char str1[] = "HAPPY";
9.     char str2[] = "BIRTHDAY";
10.    swap(str1, str2);
11.    printf("%s %s", str1, str2);
12.    return 0;
13. }
```

Output

HAPPY BIRTHDAY

EXPLAIN YOUR ANSWER

THE SWAP FUNCTION
SWAPS THE LOCAL
POINTERS NOT THE
CONTENTS OF THE
ARRAYS

Q. 2: Write the output of the following program in the appropriate box. **2+2 Marks**

```

1. #include<stdio.h>
2. #include<string.h>
3. int main(){
4.     char str1[20] = "MONDAY", str2[20];
5.     for (int i=0; i<6; i++){ str2[i] = str1[6-i];}
6.     strcat(str1, str2);
7.     printf("%s", str1);
8.     return 0;
9. }
```

Output

MONDAY

EXPLAIN YOUR ANSWER

THE STRING TERMINATION
CHARACTER IS ASSIGNED
TO THE START OF STR2

Q. 3: Write the output of the following program in the appropriate box. **2 Marks**

```

1. #include<stdio.h>
2. #include<string.h>
3. int main(){
4.     int count1, count2;
5.     char str1[] = "ABABAC";
6.     char str2[] = "CCAABB";
7.     char *s1, *s2;
8.     s1=str1; s2=str2;
9.     count1 = count2 = 0;
10.    while(*++s1 != '\0' && *++s2 != '\0'){
11.        if(strncmp(s1, s2, 2) >= 0){
12.            count1 += strncmp(s1, s2, 2); s2++;
13.        }
14.        else{
15.            count2++; s1++;
16.        }
17.    }
18.    printf("%d %d", count1, count2);
19.    return 0;
20. }
```

Output

1 2