

NAME: _____

ROLL NUMBER: _____

Note: Negative mark of -1 applies for each incorrect or incomplete response.

Question 1. I was writing a program to find the length of a string without using the strlen function. But, a mischievous friend of mine deleted one line. Can you fill in the blanks to complete this code and make it work? Assume that the input string will have shorter than 100 characters. [1 Mark]

```
int mystrlen(char *str)
{
    static int length=0;
    if(*str!=NULL)
    {
        length++;
        _____ ; //Write your answer here.
    }
    else
    {
        return length;
    }
}
int main()
{
    char str[100];
    int length=0;

    printf("Enter a string: ");
    gets(str);

    length=mystrlen(str);

    printf("Length = %d\n",length);

    return 0;
}
```

See next page for question 2.

Question 2. What is the output? [1 Mark]

```
void fun(int arr[], int d, int n)
{
    int i;
    for (i = 0; i < d; i++)
        funbyOne(arr, n);
}

void funbyOne(int arr[], int n)
{
    int temp = arr[0], i;
    for (i = 0; i < n - 1; i++)
        arr[i] = arr[i + 1];
    arr[i] = temp;
}

void printArray(int arr[], int n)
{
    int i;
    for (i = 0; i < n; i++)
        printf("%d ", arr[i]);
}

int main()
{
    int arr[] = { 1, 2, 3, 4, 5, 6, 7 };
    fun(arr, 4, 7);
    printArray(arr, 7);
    return 0;
}
```

Answer = _____