

SUBJECT: PROGRAMMING FOR PROBLEM SOLVING

ASSIGNMENT-III

UNIT - 3	SUBJECT:
Date of issue:	ROLLNO:
Date of submission:	FULL NAME:
Total Marks :	SECTION:
ANSWER ALL QUESTIONS	

2 MARK QUESTIONS:

- 1) what will be the output ? [CO2/PO1]

```
void main( )  
{    printf(“%s”, “C Marathon”+2); }
```

- 2) what will be the output and why? [CO2/PO3]

```
main()  
{    int K;  
    for(K=0; K<printf(“HELLO”); K++)  
        printf(“%d”,K);  
}
```

- 3) what will be the output and why? [CO2/PO2]

```
main()  
{    printf(“%c”, “abcdef”[4]); }
```

- 4) State the difference between strcmp() and strncmp()

- 5) Write the syntax and example on: strlen(), isupper()

- 6) int main() [CO2/PO2]

```
{    int a[5]={0,0,0,0,0};  
    for(i=1; i<=5; i++)  
        { a[i]=a[i]+i;}  
}
```

What are the array elements :-----

- 7) main() [CO2/PO2]

```
{ int i=2;  
  int a[2]={3,2,1};  
  do{    printf(“%d”,i[a]);    }while(--i>0);  
return 0;  
}
```

Output is -----

5 MARK QUESTIONS:

- 1) Write the syntax and explain on functions: strcat(), strrev(), strcpy() [CO2/PO3]

- 2) How to interact with all the elements of a matrix using simple loop control statements? [CO2/PO2]

- 3) Write a program to accept 10 numbers in to an array and sort it using insertion sort in ascending order. [CO2/PO3]

- 4) Explain how an array can be declared and initialized? Write a suitable program to interact with 1-D array elements. [CO2/PO2]

- 5) Write a program to accepts an integer array and counts how many prime numbers exist in the array.

- 6) Write a program to input values into two 4X4 matrices and perform matrix addition. [CO2/PO2]

- 7) Write a program to input 10 numbers into a one-dimensional array and then display the list of even numbers present in it. [CO2/PO2]

- 8) Write a program to input integer values into a 3x3 matrix and display the transpose of it. [CO2/PO2]

- 9) Input the integers into two 3X3 matrices and perform multiplication. [CO2/PO2]

- 10) Write a program to test a string is palindrome or not without using string handling functions. [CO2/PO2]