START WRITING HERE

Space for Marks	Question No.
	D
	a)

strlen() :- strlen() is a pre-defined function in string.h library. strlen() tak the string and calculate the length of th null character ('\0') i.e it does not count null character.
for eg: for a string "subject" ; strlen will give output as 7

b) strcmp() :- strcmp() is a pre-defined function in string.h library. strcmp() to two string and compare them. ~~for eg. strcmp()~~ if strcmp() is equal to zero, both the string are equal
if strcmp() >0 ; then string 1 is greater than string 2 [strcmp(string1, string2)]
if strcmp() <0 ; then string 1 is smaller than string 2 [strcmp(string1, string2)]

Roll No.: 6144982

Subject : 29715

Space for Marks	Question No.	START WRITING HERE

```
printf("\n Greatest number is %d", greatest);
return 0;
}
```

Here, if a>b is true, greatest will be a
else greatest will be b if a>b is false.

then

if greatest>c is true, greatest will be b

else if greatest>c is false, greatest will be c.

START WRITING HERE

Space for Marks | Question No.

Q4

A. Different type of data type modifiers Qs :-

i) short :- i) It is used with Integer data type
ii) short takes less memory than their regular counterpart
iii) short stores less value than their regular counterpart.

ii) long :- i) It is used with Integer data type
ii) long takes more memory than their regular counterpart.
iii) long may stores more amount of variables than their regular counterpart

iii) long long :- i) It is used with Integer data type.
ii) long long takes more memory than long data type modifier.
iii) It can also hold more amount of variable than long data type modifier.

START WRITING HERE

Space for Marks	Question No.

Output :-
Enter the Number :23
Entered number is prime.

START WRITING HERE

Space for Marks	Question No.

output:

```
Enter the number: 2
Enter power : 3
2 raised to power of 3 is 8.
```

START WRITING HERE

Space for Marks | Question No.

Q6.
A

```
#include <stdio.h>
int main()
{
    int ar, ac;
    // To get number of rows and column.
    printf("Enter the number of rows:");
    scanf("%d", &ar);
    printf("Enter the number of column:");
    scanf("%d", &ac);

    int matrix[50][50], r, c;

    // square matrix condition
if(ar!=ac)
 {
   printf("Enter valid matrix");
 }
else
 {
    // to input matrix row by row
for(r=0; r<ar; r++)
   {  printf("Enter row %d", r+1);
    for(c=0; c<ac; c++)
     {
       scanf("%d", &matrix[r][c]);
     }
```

START WRITING HERE

Space for Marks	Question No.

Output
Enter the number of rows: 3
Enter the number of column: 3
Row 1:
1
2
3
Row 2:
1
2
3
Row 3:
1
2
3
Matrix is:
1 1 1
2 2 2
3 3 3

Transpose matrix is
1 2 3
1 2 3
1 2 3.

Roll No.: 6144982

Subject : 29715

23

Space for Marks	Question No.	START WRITING HERE
	13	

```
#include <stdio.h>
struct Employee
{
    int Employee_No;
    char Employee_Name[50];
    int Experience;
    int Salary;
};

int main()
{
    struct Employee e[100];
    int i;   // To input or store details
  for(i=0; i<100; i++)
    {
  printf("\n Employee_No: ");
  scanf("%d",&e[i].Employee_No);
  printf("\n Employee_Name: ");
  scanf("%s", e[i].Employee_Name);
  printf("\n Employee Experience: ");
  scanf("%d", &e[i].Experience);
  printf("\n Salary: ");
  scanf("%d", &e[i].salary);
  }
```

Roll No.: 6144982

Subject : 29715

25

Space for Marks	Question No.	START WRITING HERE
		3
		return 0;
		4

Roll No.: 6144982

Subject : 29715

Do not write/Mark on Bar Code

BCNO 243895379

Rough Work

Start.
Enter
take number

input/o
processing
Desig

[6]

rem = number % 10;
sum = sum + rem;
number = number / 10;
print sum;
end ston.

$D^2 > 4ac$ $D^2 = 4q$
$D^2 < 4ac$.

$$-\frac{b^2 \pm \sqrt{b^2 - 4ac}}{2a}$$

(alpha * 2a) + b =

- (pow(b,2) +

Do not write below this line

Cut Here

Do not write/Mark on Bar Code

BCNO 243895379

Re-Evaluator Sheet

Exam Date :

Program Code & Name :

Subject Code & Name :

Year / Semester :

Question wise Marks given by Re-Evaluator

Q. No.	Marks
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
Total	

Name & Signature of Re-Evaluator with Date

Sr. No. 232842197