TED (15)	-4044
(REVISION	2015)

Reg. No	***************************************
Signature	

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE - APRIL, 2018

PROGRAMMING IN C

[Time: 3 hours

(Maximum marks: 100)

PART - A

(Maximum marks: 10)

Marks

- I Answer all questions in one or two sentences. Each question carries 2 marks.
 - Name two formatted input/ouput functions.
 - 2. What is the use of '\t' in C.
 - vennikulam 3. How many times "Welcome" is get printed ?

#include<stdio.h> int main()

for (x = -1; x < = 10; x++)

4. Name the function used to copy a string.

5. What is formal parameter?

 $(5 \times 2 = 10)$

PART - B

(Maximum marks: 30)

- II Answer any five of the following questions. Each question carries 6 marks.
 - 1. Write a C program to read a number and check whether it is divisible by
 - 2. Explain the use of 'nested if' with the help of an example.
 - 3. Write a C program to read 10 numbers to an array and print it in reverse Order.
 - Explain an exit controlled loop.
 - Differentiate strepy() and strncpy() functions with the help of example.
 - 6. Define recursive function. Explain with the help of an example.
 - What is a global variable ? Illustrate with a suitable example.

 $(5 \times 6 = 30)$

[14]

(b) Write a C Program to read a number. Calculate the sum of digits of the

9

number using a user - defined function sumdigit()