AC

Program:	Diploma in IT / Computer Engg.	**Full Marks: 80**
Year/Part:	II/I (2022)	**Pass Marks: 32**
Subject:	C Programming	**Time: 3 hrs.**

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Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Attempt Any Eight Questions.

1. Define Algorithm and Flowchart with an example. Differentiate between compiler and Interpreter. [5+5]

2. What is data types? Explain about the formatted and unformatted input/output functions with examples. [4+6]

3. Define Operator. Mention about the types of operators used in C with suitable example. [2+8]

4. What is looping? Differentiate between while loop and do .... while loop with example. [2+8]

5. What is switch statement? Write a program in C to determine greatest number among three numbers. [2+8]

6. Define an array. Write a program in C to input 10 integer number in an array and calculate the average number among them. [2+8]

7. Define function. What are the advantage of using function? How can we declare function? Write down its syntax. [2+2+6]

8. What is structure? Write a program in C to store records of 20 employee and display the record in appropriate format. (data members of the employee are id, name and salary) [2+8]

9. What are the different modes of opening file? Write a program in C to write the character into a text file "CTEVT.txt" enter by the user. [3+7]

10. Write short notes on : (Any Two) [2x5=10]
    a) Pointer   b) Dynamic memory allocation
    c) Recursive function

Good Luck !