Council for Technical Education and Vocational Training
Office of the Controller of Examinations
Sanothimi, Bhaktapur
Regular/Back Exam-2076, Falgun/Chaitra

Program:	Diploma in Computer Engineering / Information Technology	Full Marks: 80
Year/Part:	I/I (New+ Old Course)	Pass Marks: 32
Subject:	Computer Programming in C & 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 example. Differentiate between compiler and Interpreter. [5+5]

2. What do you mean by data type in C? Mention about the types of operators used in C with suitable examples. [3+7]

3. Write a syntax of switch statement. Write a program in C to display respective day depending upon the number entered i-e input 1 for Sunday .... 7 for Saturday using control statement. [2+8]

4. Differentiate between while and do while loop with reference to their syntax. WAP in C to read number from keyboard and check if it is palindrome or not. [3+7]

5. What do you mean by break & continue statement? WAP in C to input a number & calculate the factorial of that number using recursive function. [3+7]

6. Define constant and keyword. Explain about nested loop statement with suitable example. [4+6]

7. Define a array. WAP in C to calculate the sum of five different numbers with using array. [2+8]

8. Compare structure & union with example. WAP in C using structure to display the name, address, roll no., marks & gender. [3+7]

9. Write short notes on: (Any Two) [2*5=10]
   a) Pointer
   b) String handling function
   c) Recursive function

Good Luck!