

**Diploma in Information Technology**

**(Part -I)**

**1st Term Examination 2022**

**Paper: Computer Programming C / C + +**

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**Time allowed: 3 hours**

**Max marks: 50**

**Attempt any five questions. All questions carry equal marks.**

Q.1: Write the advantage of C language.

Q.2: What are reserved words? Explain its usage with the help of program example.

Q.3: Write a C program using while loop that takes an integer for a variable X, and Return the sum of all the numbers from 1 to X. Hints: X=3, should return 6 which is 1+2+3

Q.4: Explain the purpose and syntax of the following Functions.

a) Puth ( )    b) getch ( )    c) getche ( )    d) gets ( )

Q.5: Write a C program that input Five-digit number, into its individual digits and print the digits separated from one another by three spaces each. Hints: for example, if user types in 42321, the program should print 4 2 3 2 1.

Q.6: Write a C program to find out maximum value from three integer values, using conditional operator.

Q.7: Explain the syntax of if else statement with suitable program example.

Q.8: Write short note on the following.

a) Size of ( ) operator

b) Priority of operators