

B.Sc(H)1st Semester Examination, 2020(CBCS)
Paper Name: Programming Fundamentals using C / C++
Paper Code: CC-1
Subject: Computer Science

F.M:40

Time:2 Hrs

Answer any *eight* Questions:

5x8=40

1. Show the differences between call by value and call by reference technique in C language with an example. 5
2. Discuss switch statement with suitable example. 5
3. Explain dynamic memory allocation techniques of C language with an example. 5
4. Write a program in C Language that adds two matrices of size 4x4. 5
5. What is Recursion? Write a recursive function to find out GCD of two numbers. 2+3
6. What is function overloading? Write a program to demonstrate function overloading in C++.
2+3
7. What is inheritance? Discuss multiple inheritances with suitable example in C++.
2+3
8. Write a class Complex with two data members real and imaginary. Overload the “+ “ operator to add two objects of complex class. Write appropriate member functions to test the above class. 5
9. Explain abstract class in brief. What is pure virtual function? 3 +2
- 10.** Write a program in C++ to illustrate multiple catch blocks. 5