

Computer science I

Experiment No. 1

1. Implement class temperature in C++ to convert degree Fahrenheit (F) to degree Celsius (C). (15)
2. Enter the program and verify proper execution of the same on the Computer. (10)
3. Obtain a hard-copy of the program listing as well as output. (05)

Experiment No. 2

1. Write a function in C++ that exchanges data (passing by reference) using swapfunction to interchange the given two numbers. (15)
2. Enter the program and verify proper execution of the same on the Computer. (10)
3. Obtain a hard-copy of the program listing as well as output. The output must list the given numbers before as well as after swapping. (05)

Experiment No. 3

1. Write a program in C++, to find the largest number in an array of 10 integers. (15)
2. Enter the program and verify proper execution of the same on the Computer. (10)
3. Obtain a hard-copy of the program listing as well as output. The output must include the given string as well as the reverse string. (05)

Experiment No. 4

1. Write a program in c++ to implement linear search on an array. (15)
2. Enter the program and verify proper execution of the same on the Computer. (10)
3. Obtain a hard-copy of the program listing as well as output. (05)

Experiment No. 5

1. Write a program in c++ to implement Bubble Sort on an array. (15)
2. Save the file and view the same using any HTML Browser off-line. Verify functioning of the hyper-links. (10)
3. Obtain a hard-copy of the HTML code only. (05)

Experiment No. 6

1. Write a program in C++, to find factorial of a given number using function void fact (int). (15)
2. Enter the program and verify proper execution of the same on the Computer. (10)
3. Obtain a hard-copy of the program listing by printing the FRM file. (05)

Experiment No. 7

1. Write a Program in C++, to implement circle class to find area and circumference of a circle using functions void area(), void circum(). (15)
2. Enter the program and proper execution of the same on the computer. (10)
3. Obtain a hard copy of the program listing by printing the FRM file. (05)

Experiment No. 8

1. Write a program in C++ to find the no of occurrences of character 'a' in the given string. (15)
2. Enter the program and proper execution of the same on the computer. (10)
3. Obtain a hard copy of the program listing by printing the FRM file. (05)

Experiment No. 9

1. Write a Program in C++, to reverse a given string. (15)
2. Enter the program and verify proper execution of the same on the Computer. (10)
3. Obtain a hard-copy of the program listing as well as output. (05)

Experiment No. 10

1. Write a program in c++ to print n prime numbers. (15)
2. Enter the program and verify proper execution of the same on the Computer. (10)
3. Obtain a hard-copy of the program listing as well as output. (05)