**Assignment CSE 1103, L1/ T1**

1. Write a c program to check given number is perfect number or not.

2. Write a c program to check given number is Armstrong number or not.

3. Write a c program to check given number is prime number or not.

4. Write a c program to check given number is strong number or not.

5. C program to check a number is odd or even.

6. Write a c program to check given number is palindrome number or not.

8. Write a c program to check given string is palindrome number or not.

7. Write a c program to solve quadratic equation.

8. Write a c program to print Fibonacci series of given range.

9. Write a c program to get factorial of given number.

10. Write a c program for Floyd’s triangle.

11. Write a c program to print Pascal triangle.

12. Write a c program to generate multiplication table.

13. Write a c program to print ASCII value of all characters.

14. C program to print hello world without using semicolon

15. Write a c program which produces its own source code as its output

C program with numbers

1. Write a c program to reverse any number.

2. Write a c program to find out sum of digit of given number.

3. Write a c program to find out power of number.

4. Write a c program to add two numbers without using addition operator.

5. Write a c program to subtract two numbers without using subtraction operator.

6. Write a c program to find largest among three numbers using binary minus operator.

7. Write a c program to find largest among three numbers using conditional operator

8. Write a c program to find out generic root of any number.

9. Write a c program to find out prime factor of given number.

10. Write a c program to find out NCR factor of given number.

11. How to convert string to int without using library functions in c

12. Program in c to print 1 to 100 without using loop

13. C program for swapping of two numbers

14. Program to find largest of n numbers in c

15. Split number into digits in c programming

16. C program to count number of digits in a number

L.C.M and H.C.F.

1. Write a c program to find out L.C.M. of two numbers.

2. Write a c program to find out H.C.F. of two numbers.

3. Write a c program to find out G.C.D. of two numbers.

Swapping

1. Write a c program to swap two numbers.

2. Write a c program to swap two numbers without using third variable.

Conversion ( Number System )

1. Write a c program to convert decimal number to binary number.

2. Write a c program to convert decimal number to octal number.

3. Write a c program to convert decimal number to hexadecimal number.

4. Write a c program to convert octal number to binary number.

5. Write a c program to convert octal number to decimal number.

6. Write a c program to convert octal number to hexadecimal number.

7. Write a c program to convert hexadecimal number to binary number.

8. Write a c program to convert hexadecimal number to octal number.

9. Write a c program to convert hexadecimal number to decimal number.

10. Write a c program to convert binary number to octal number.

11. Write a c program to convert binary number to decimal number.

12. Write a c program to convert binary number to hexadecimal number.

13. C program for addition of binary numbers .

14. C program for multiplication of two binary numbers.

15. C program fractional binary conversion from decimal.

16. C program for fractional decimal to binary fraction conversion.

17. C program to convert decimal number to roman.

18. C program to convert roman number to decimal number.

19. C program to convert each digits of a number in words

20. C program to convert currency or number in word.

Conversion ( Unit )

1. C program for unit conversion.

Series

1. Write a c program to find out the sum of series 1 + 2 + …. + n.

2. Write a c program to find out the sum of series 1^2 + 2^2 + …. + n^2.

3. Write a c program to find out the sum of series 1^3 + 2^3 + …. + n^3.

4. Write a c program to find out the sum of given A.P.

5. Write a c program to find out the sum of given G.P.

6. Write a c program to find out the sum of given H.P.

7. Write a c program to find out the sum of series 1 + 2 + 4 + 8 … to infinity.

Area and volume

1. Write a c program to find the area of circle.

2. Write a c program to find the area of any triangle.

3. Write a c program to find the area of equilateral triangle.

4. Write a c program to find the area of right angled triangle.

5. Write a c program to find the area of rectangle.

6. Write a c program to find the area of trapezium.

7. Write a c program to find the area of rhombus.

8. Write a c program to find the area of parallelogram.

9. Write a c program to find the volume and surface area of cube.

10. Write a c program to find the volume and surface area of cuboids.

11. Write a c program to find the volume and surface area of cylinder.

12. Write a c program to find the surface area and volume of a cone.

13. Write a c program to find the volume and surface area of sphere.

14. Write a c program to find the perimeter of a circle, rectangle and triangle.

C program with very large numbers

1. Write a c program to find factorial of 100 or very large numbers

2. Write a c program to multiply the two very large number (larger the long int)

3. Write a c program for division of large number (larger than long int)

4. C code for modular division of large number.

5. C code for division of large number.

6. C code for power of large numbers.