Sub: ‘C’ Programming

Theory Assignment – 1

1) Define Algorithm and flowchart. Write down the symbols which are used to draw a flowchart.
2) Write an algorithm and draw a flowchart for –
   a) Area of Circle
   b) Area of Rectangle
   c) Circumference of a circle
3) Write a short note on –
   a) Keyword
   b) Constants
   c) Variable
   d) Logical Operators
   e) Conditional Operator
4) Explain if……else statement with example.
5) Explain nested if………else statement with example.
6) Write a short note with syntax and example on –
   a) While loop
   b) For loop
   c) Do….while loop
7) Write down the difference between while and do…while loop.
8) Write a program to check whether the given number is positive number or negative number.
9) Write a program to check whether the given number is odd or even number.
10) Write a program to find the maximum number from the accepted two numbers.
Theory Assignment – 2

1) Define Array.
2) Explain Array with its types.
3) Write a program to accept 10 numbers in an array and print odd and even numbers.
4) Write a program to convert decimal number to its binary equivalent.
5) Write a program to find maximum and minimum number from 3 x 3 matrix.
6) Explain String.
7) Explain following function with example –
   a) Gets()
   b) Puts()
   c) Strlen()
   d) Strrev()
   e) Strcpy()
   f) Strcmp()
   g) Strcat()
8) Write a program to remove all the vowels and spaces from a given string.
9) Write a program to sort an array in ascending and descending order.
10) Write a program to check whether the accepted string is palindrome or not.