

## Computer 2<sup>nd</sup> Year Short and Long Question

<b>Chapter No 12 Short Question</b>	
<b>1</b>	What is Loop? Write name different types of loop.
<b>2</b>	What is difference between while and do-while loops.
<b>3</b>	Write is difference between a while and for loop.
<b>4</b>	What is sentinel controlled loop?
<b>5</b>	What is “continue” statement? Explain with example.
<b>6</b>	What is “break” statement? Explain with example.
<b>7</b>	What is “goto” statement? Write its general form.
<b>Chapter No 12 Long Question</b>	
<b>1</b>	What is “While” loop? Explain its syntax and Working with Example.
<b>2</b>	What is “Do While” loop? Explain its syntax and Working with Example.
<b>3</b>	What is “for” loop? Explain its syntax and Working with Example.
<b>4</b>	What is “nested” loop? Explain its syntax and Working with Example.
<b>Chapter No 12 Program</b>	
<b>1</b>	Write a program that displays first five numbers and their sum using while loop.
<b>2</b>	Write program that displays first five numbers with their squares using while loop.
<b>3</b>	Write a program that inputs starting and ending number from the user and then display all even numbers in the given range using while loop.
<b>4</b>	Write a program that inputs a number from the user and displays a table of that number using while loop.
<b>5</b>	Write a program that displays the following series using while loop. 1    3    5    7    9    11    13    15    17    19    21    23
<b>6</b>	Write a program that inputs a number from the user and displays the factorial of that number using while loop.
<b>7</b>	Write a program that displays the sum of the following series using while loop. 1+1/2+1/4+1/6+.....+1/100
<b>8</b>	Write a program that gets two numbers from the user and displays the result of first number raise to the power of second number using do while loop.
<b>9</b>	Write a program that displays the sum of the following series using while loop. 1+1/3+1/5+1/7+.....+1/99
<b>10</b>	Write program that displays 1 to 100 even numbers using for loop.
<b>11</b>	Write a program to print the sum of odd numbers between 1 and 100. Sum=1+3+5+7+.....+99
<b>12</b>	Write a program that displays product of all odd numbers 1 to 10 using for loop.
<b>13</b>	Write a program that finds the sum of the squares of the integers form 1 to n. where n is a positive value entered by the user (i.e Sum = $1^2+2^2+2^2+.....+n^2$ ).