**SHEET-3**

**Series Based Questions**

Q. Write the programs to find the sum of the series given below:

* **1 + 1/(2\*2) + 1/(3\*3) + 1/(4\*4) + ……. + 1/(n\*n)**
* **1 + (1+2) + (1+2+3) + (1+2+3+4) + ......... + (1+2+3+4+...+n)**
* **1 - x2/2! + x4/4! – x6/6! + ….........**
* **0, 1, 1, 2, 3, 5, 8, 13, 21 ………… n (Fibonacci series)**
* **1 2 3 6 9 18 27 54........**