Work sheet, pattern, Mcq

Class-8, (Tipu sir)

1) What is the next number of the pattern 1, 4, 10, 19 , 31….
a) 34
c) 43
b) 46
d) 49

2) Which expression is used for 7, 11, 15, 19,….
a) (5x+2)
c) (4x-3)
b) (4x+3)
d) (8x-1)

3) Which one is the magic number of magic square of order 4
a) 16
c) 34
b) 17
d) 68

4) In which numbers are Fibonacci?
a) 0, 1, 2, 3, 4……
c) 3, 3, 6, 9, 12…..
b) 0, 1, 1, 2, 3…..
d) -1, 1, 0, 1,2…..

5) Which one is the sum of the first twenty consecutive numbers?
a) 81
c) 210
b) 100
d) 400

6) Which expression is used for -1, 2 ,7, 14
a) A-2
c) A^2-2
b) 3A-4
d) $2A^2$-3

7) What is the 5th number of the list 5, 12, 20, 29
a) 39
c) 37
b) 38
d) 36

8) 1+2+3+4+……. + 40=what?
a) 800
c) 1600
b) 820
d) 1640

9) Which one of the following number cannot be expressed as the sum of two squares?
a) 10
c) 16
b) 13
d) 50

10) Which term is 101 of an algebraic expression (a^2+1)?
a) 10th
c) 50th
b) 23th
d) 100th

11) 10001 is the 100th term of which expression?
a) 1+a^2
c) a^2-1
b) 1+99a
d) 99a-1