REVISION ON (SQUARE AND SQUARE ROOT)

Q1 Is 2100 a perfect square?

Q2 Find a Pythagorean triplet, whose one of the member is 16.

Q3 How many numbers lie between the square of the numbers 20 and 21.

Q4 Find the value of $100^2 - 99^2$ without actual solving the square?

Q5 Find the square root of 56644 by prime factorization method.

Q6 Find the square root of 290521 by long division method.

Q7 Find the square root of 147.1369 by long division method.

Q8 Simplify: $\sqrt{144 \times 169}$

Q9 Find the least number which should be subtracted from 5634 to make it a perfect square?

Q10 An army general arranges his soldiers in such a way that the number of rows is same as the number of columns. In such an arrangement 55 soldiers are left behind. If the total number of students are 6455, find the number of soldiers in each row.

Q11 Find the least number which should be added to 9999 to make it a perfect square?

Q12 Find the smallest number by which 1458 should be multiplied to make it a perfect square and hence find the square root of the number.

Q13 Find the smallest number by which 2925 should be divided to make it a perfect square and hence find the square root of the number.

Q14 Without adding, find the sum of

a)1 + 3 + 5 +7 =

b) 1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 + 19 + 21 + 23 + 25 + 27 + 29 =

c) express 49 as the sum of 7 odd numbers.