Mathematics Assignment No. – 05 – Squares And Square Root. VIII

Q1. Study the following pattern

$25^2 = 2 \times 3$ hundred $+ 5^2$

$35^2 = 3 \times 4$ hundred $+ 5^2$

$45^2 = 4 \times 5$ hundred $+ 5^2$

Now using this pattern, find the following

(i) 55^2 (ii) 65^2 (iii) $(125)^2$

Q2. Find the least number which should be subtracted from 5634 so that the resulting number becomes a perfect square

Q3. If the area of a square field is 62500 square metres. Find the side of the field.

Q4. Find the least number which must be subtracted from 15931 so that resulting number becomes a perfect square.

Q5 Find the least number which must be added to 9999 so that the resulting number becomes a perfect Square.

ANSWERS.

(Q1) (i) 3025 (ii) 4225 (iii) 15625	(Q2) 9 (Q3) 250 m	(Q4) 55 (Q5) 1