

SATISH CHANDRA MEMORIAL SCHOOL

CLASS TEST

STD VIII

SQUARES & SQUARE ROOTS

F.M : 12

1. A perfect square can never have the following digit in its one's place.

(a) 1 (b) 8 (c) 0 (d) 6 (1)

2. If m is the square root of n , then n is

(a) m^2 (b) $\sqrt{m}$ (c) $\frac{m}{3}$ (d) $\sqrt[3]{m}$ (1)

3. The value of $(7 + 9 + 11 + \dots + 47)$ is

(a) 765 (b) 576 (c) 675 (d) 567 (1)

4. The area of a rectangular field whose length is twice its breadth is 2450 m^2 . Find the perimeter of the field. (2)

5. Find the value of $\sqrt{176 + \sqrt{2386 + \sqrt{221 + \sqrt{16}}}}$ (2)

6. Find the Pythagorean triplets whose smallest member is 19. (2)

7. Find three numbers in the ratio 2:3:5, the sum of whose squares is 608. (3)