1. Find the square root of 25

   (i) 6   (ii) 4   (iii) 5   (iv) 8   (v) 3

2. Find the square root of $\dfrac{9}{25}$

   (i) $\dfrac{3}{7}$ (ii) $\dfrac{3}{5}$ (iii) $\dfrac{1}{5}$ (iv) 1

3. Which of the following is a perfect square?

   (i) 398   (ii) 1089   (iii) 26   (iv) 1602   (v) 323

4. Which of the following is not a perfect square?

   (i) 2398   (ii) 2209   (iii) 324   (iv) 1936   (v) 361

5. What is the unit place digit in the square of 16?

   (i) 4   (ii) 1   (iii) 6   (iv) 7   (v) 8

6. If a number has 5 zeros at the end, its square has how many zeros?

   (i) 9   (ii) 10   (iii) 7   (iv) 12   (v) 11

7. Find the smallest perfect square which is divisible by each of the numbers 14,8,12

   (i) 2352   (ii) 1345   (iii) 7056   (iv) 7058   (v) 14112

8. How many digits are there in the square root of 144?

   (i) 1   (ii) 4   (iii) 2   (iv) 3   (v) 0

9. How many digits are there in the square root of 172225?

   (i) 3   (ii) 6   (iii) 0   (iv) 4   (v) 2

10. Find the least number that must be subtracted from 2125 to get a perfect square?

    (i) 8   (ii) 10   (iii) 7   (iv) 11   (v) 9

11. Find the least number that must be added to 2581 to get a perfect square?

    (i) 22   (ii) 17   (iii) 20   (iv) 19   (v) 21

12. Find the smallest 2 digit number which is a perfect square?

    (i) 16   (ii) 17   (iii) 14   (iv) 18   (v) 15

13. Find the greatest 2 digit number which is a perfect square?

    (i) 81   (ii) 79   (iii) 84   (iv) 80   (v) 82

14. Find the smallest 3 digit number which is a perfect square?

    (i) 102   (ii) 99   (iii) 98   (iv) 100   (v) 101

15. Find the greatest 3 digit number which is a perfect square?

   (i) 958 (ii) 963 (iii) 960 (iv) 961 (v) 962

16. Find the square root of 33.56

   (i) 7.79 (ii) 4.79 (iii) 3.79 (iv) 5.79 (v) 6.79

17. Find the square root of 819.800

   (i) 28.632 (ii) 29.632 (iii) 30.632 (iv) 27.632 (v) 26.632

18. Find the square root of 1065.6000

   (i) 32.6435 (ii) 33.6435 (iii) 31.6435 (iv) 34.6435 (v) 30.6435

19. The smallest number by which 32 must be multiplied so that the product is a perfect square is?

   (i) 1 (ii) 3 (iii) 2 (iv) (-1) (v) 4

20. The smallest number by which 1125 must be divided so that the quotient is a perfect square is?

   (i) 5 (ii) 4 (iii) 8 (iv) 6 (v) 3

21. $\sqrt{\dfrac{169}{36}} =$

   (i) $\dfrac{13}{8}$ (ii) $\dfrac{5}{2}$ (iii) $\dfrac{11}{6}$ (iv) $\dfrac{13}{4}$ (v) $\dfrac{13}{6}$

22. $\sqrt{1.6900} =$

   (i) 1.4 (ii) 0.13 (iii) 1.5 (iv) 1.2 (v) 1.3

23. Simplify $\dfrac{\sqrt{64} - \sqrt{100}}{\sqrt{36} + \sqrt{16}} =$

   (i) $\left(\dfrac{-2}{5}\right)$ (ii) $\left(\dfrac{-1}{4}\right)$ (iii) 0 (iv) $\left(\dfrac{-1}{5}\right)$ (v) $\left(\dfrac{-1}{6}\right)$

Assignment Key

1) (iii)	2) (ii)	3) (ii)	4) (i)	5) (iii)	6) (ii)
7) (iii)	8) (iii)	9) (i)	10) (v)	11) (iii)	12) (i)
13) (i)	14) (iv)	15) (iv)	16) (iv)	17) (i)	18) (i)
19) (iii)	20) (i)	21) (v)	22) (v)	23) (iv)	