KINETICS
We Nurture The Future
IIT-JEE | Medical | Foundations

Squares and Square Roots

Question 1.
The square root of 169 is
(a) 13
(b) 1.3
(c) -1.3
(d) $\frac{13}{10}$

Answer: (a) 13

Question 2.
What could be the possible "one's digit" of the square root of 625?
(a) 5
(b) 0
(c) 4
(d) 8

Answer: (a) 5

Question 3.
Sum of squares of two numbers is 145. If square root of one number is 3, find the other number.
(a) 136
(b) 9
(c) 64
(d) 8

Answer: (d) 8

Question 4.
The square root of 1.21 is
(a) 1.1

(b) 11
(c) 21
(d) 2.1

Answer: (a) 1.1

Question 5.
How many numbers lie between square of 12 and 13
(a) 22
(b) 23
(c) 24
(d) 25

Answer: (c) 24

Question 6.
Which is the greatest three-digit perfect square?
(a) 999
(b) 961
(c) 962
(d) 970

Answer: (b) 961

Question 7.
How many natural numbers lie between 9^2 and 10^2?
(a) 15
(b) 19
(c) 18
(d) 17

Answer: (c) 18

Question 8.
The largest perfect square between 4 and 50 is
(a) 25
(b) 36
(c) 49
(d) 45

Answer: (c) 49

Question 9.
Sum of squares of two numbers is 145. If square root of one number is 3, find the other number.
(a) 136
(b) 8
(c) 9
(d) 64

Answer: (b) 8

Question 10.
Find the square of 39.
(a) 1500
(b) 78
(c) 1521
(d) none of these

Answer: (c) 1521

Question 11.
Find the least number that must be subtracted from 5607 so as to get a perfect square.
(a) 130
(b) 135
(c) 131
(d) none of these

Answer: (c) 131

Question 12.
What is smallest number with which 5400 may be multiplied so that the product is perfect cube?
(a) 5
(b) 3
(c) 4
(d) 6

Answer: (a) 5

Question 13.
What is the length of the side of a square whose area is 441 cm^2 ?
(a) 21
(b) 22
(c) 20
(d) 12

Answer: (a) 21

Question 14.
Which of the following are the factors of ac+ ab + bc + ca
(a) (a – c)(a – b)
(b) (a + c)(a + b)
(c) (a – c)(a + b)
(d) (a + c)(a – b)

Answer: (b) (a + c)(a + b)

Question 15.
Find the greatest 4-digit number which is a perfect square.
(a) 9990
(b) 9801
(c) 9999
(d) none of these

Answer: (b) 9801

Question 16.
Without doing any calculation, find the numbers which are surely perfect squares.
(a) 441
(b) 408
(c) 153
(d) 257

Answer: (a) 441

Question 17.
Find the perfect square numbers between 30 and 40.
(a) 936
(b) 49

(c) 25
(d) none of these

Answer: (a) 936

Question 18.
Without adding,find the sum of 1+3+5+7+9+11+13+15+17+19
(a) 100
(b) 64
(c) 49
(d) 81

Answer: (a) 100

Question 19.
What will be the number of digits in the square root of 1296?
(a) 2
(b) 3
(c) 1
(d) 4

Answer: (a) 2

Question 20.
If a number has 1 or 9 in the unit's place, then it's square ends in _____.
(a) 3
(b) 9
(c) 1
(d) none of these

Answer: (c) 1

Question 21.
The square of 23 is :
(a) 529
(b) 526
(c) 461
(d) 429

Answer: (a) 529

Question 22.
Which of the following would end with digit 1?
(a) 123^2
(b) 161^2
(c) 77^2
(d) 82^2

Answer: (b) 161^2