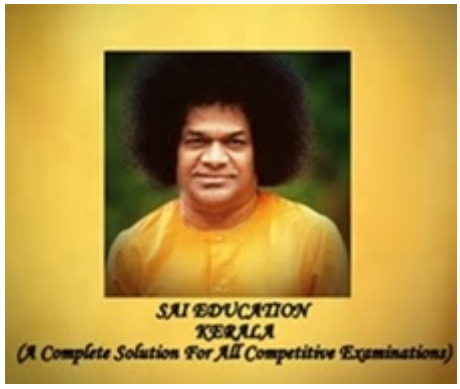
108 Days Online Coaching Day (18)~21/01/2021, THURSDAY

SQUARE ROOTS, CUBE ROOTS & DICES



NAME OF THE CANDIDATE *

M3

PLACE OF THE CANDIDATE *

KANNUR

PLEASE ENTER YOUR WHAT'S APP NO(JOINED IN THE SAI EDN OCT PLATFORM) *

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PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND NOTE DOWN IT IN YOUR DIARY BEFORE SENDING THE ANSWERS

https://www.youtube.com/watch?v=mHRkeLIvchY
https://www.youtube.com/watch?v=KPG6Th38osg

Q.1 . Solve this *

1 point

If $3\sqrt{5} + \sqrt{125} = 17.88$, then what will be the value of $\sqrt{80} + 6\sqrt{5}$?

- (●) 22.35
- ( ) 13.41
- ( ) 20.46
- ( ) 21.66

Q.2. How many two-digit numbers satisfy this property.: The last digit (unit's digit) of the square of the two-digit number is 8 ? *

1 point

- ( ) 1
- ( ) 2
- ( ) 3
- (●) None of these

Q.3. What is the cube root of 2197? *

1 point

- ( ) 12
- ( ) 14
- (●) 13
- ( ) 15

Q.4. . The digit in the unit's place in the square root of 15876 is: * 1 point

- [ ] 1
- [x] 6
- [ ] 3
- [ ] 9

Q.5. The greatest four-digit perfect square number is: * 1 point

- [ ] 9000
- [x] 9801
- [ ] 9900
- [ ] 9981

Q.6. A man plants 15376 apple trees in his garden and arranges them so that there are as many rows as there are apples trees in each row. The number of rows is: * 1 point

- [ ] 128
- [x] 124
- [ ] 134
- [ ] 144

Q.7. What are the 2 natural numbers, sum of whose squares is 52? * 1 point

- 2,7
- 4, 6
- 3, 5
- 5, 6

Q .8: x+1/x=5, Then x^2 + 1/x= ? * 1 point

- 23
- 27
- 28
- 21

Q .9: Cube root of 729 then square it * 1 point

- 9
- 36
- 81
- 144

Q .10: * 1 point

$\sqrt{0.01+\sqrt{0.0064}}=?$

- [x] 0.3
- [ ] 0.03
- [ ] 0.42
- [ ] None of these

Q .11: A General wishes to draw up his 36581 soldiers in the form of solid square.After arranging them, he found that some of them are left over.How many are left? * 1 point

- [ ] 120
- [x] 100
- [ ] 110
- [ ] 130

Q 12: The cube root of 0.000216 is: * 1 point

- [ ] 0.6
- [ ] 0.77
- [x] 0.06
- [ ] 0.87

Q .13. A person wants to arrange his colleagues in the form of a perfect square, but he finds there are 9 persons too many. What will be the total number of persons in front row, if the total number of persons with him is 2410? * 1 point

- ○ 41
- ○ 48
- ◉ 49
- ○ 47

Q 14: The least perfect square number divisible by 3,4,5,6 and 8 is: * 1 point

- ◉ 3600
- ○ 700
- ○ 3500
- ○ 500

Q 15: The least number by which 1470 must be divided to get a number which is a perfect square, is: * 1 point

- ◉ 30
- ○ 10
- ○ 20
- ○ 5

Q .16 . A group of students decided to collect as many paise from each member of the group as is the number of members. If the total collection amounts to Rs. 59.29, the number of members in the group is: * 1 point

- 47
- 97
- 77
- 67

Q 17: Find the smallest natural number by which 5808 should be multiplied so that the product becomes a perfect square? * 1 point

- 11
- 2
- 3
- 1

Q .18 . What is the smallest number by which 3600 be divided to make it a perfect cube? * 1 point

- 50
- 250
- 350
- 450

Q 19: The smallest number added to 680621 to make the sum a perfect square is? * 1 point

- [x] 4
- [ ] 5
- [ ] 7
- [ ] 9

Q 20: Find is the value of * 1 point

$$\sqrt{10+\sqrt{27+\sqrt{65+\sqrt{256}}}}$$

- [x] 4
- [ ] 6
- [ ] 8
- [ ] 9

THANK YOU