108 Days Online coaching Day (31)~13/07/2021, Tuesday

surds and indices

Email *

m1@gmail.com

Name of the candidates *

M1

Place of the candidates *

○ Thiruvananthapuram

○ Kollam

○ Pathanamthitta

○ Alappuzha

○ Kottayam

○ Idukki

○ Eranakulam

○ Thrissur

○ Palakkad

○ Malappuram

◉ Kozhikode

○ Wayanad

○ Kannur

○ Kasargod

Whatsapp number (Joined In Sai edn Coaching Platform) *

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Untitled Section

Please watch the online classes and answer the following questions.
https://youtu.be/WZtVfJ6svms
https://youtu.be/upanEVr9WlE
https://youtu.be/nbh_2E4NQzk
https://youtu.be/cHPR2FgNEEQ

1) If $52x = 15625$, find x2. *   1 point

( ) 9

( ) 21

( ) 3

( ) Non of the above

2) If $17\hat{}x = 4913$, find the value of $22\hat{}x-1$. *   1 point

( ) 39

(•) 32

( ) 40

( ) 16

3) $5\hat{}2x-2 = 625$, find x *   1 point

( ) 2

(•) 3

( ) 4

( ) 8

4)(17)^3.5 x (17)? = 17^8 *   1 point

○ 3.8

○ 4

◉ 4.5

○ 5

5)Given that 10^0.48 = x, 10^0.70 = y and x^z = y^2, then the value of z is close to: *   1 point

○ 1.7

○ 3.5

◉ 2.9

○ 4.6

6)If 5^a = 3125, then the value of 5^(a − 3) is: *   1 point

○ 20

○ 888

◉ 25

○ 255

7) If $3^{(x - y)} = 27$ and $3^{(x + y)} = 243$, then x is equal to: * 1 point

○ 1

○ 2

○ 3

◉ 4

8) $(256)^{0.16} \times (256)^{0.09} = ?$ * 1 point

○ 3

◉ 4

○ 6

○ 567

9) The value of $[(10)^{150} \div (10)^{146}]$ * 1 point

○ 1000

◉ 10000

○ 100

○ 10

10) (25)^7.5 x (5)^2.5 ÷ (125)1.5 = 5? *   1 point

○ 10

● 13

○ 16

○ 50

11)(0.04)^−1.5 = ? *   1 point

○ 120

● 125

○ 123

○ 12

12)Evaluate 1000^7 / 10^14 = ? *   1 point

○ 10

○ 7

● 10^7

○ 2

13) $4^{3/2} + 4^{-3/2}$ = ? *

1 point

- ○ 65/9
- ● 65/8
- ○ 89/8
- ○ 56

14) $(256)^{0.16}$ x $(256)^{0.09}$ = ? *

1 point

- ○ 3
- ○ 6
- ● 4
- ○ 1

15) The value of $(\sqrt{8})1/3$ is: *

1 point

- ○ 22
- ● 2
- ○ 4
- ○ 6

16) f √2n =64, then the value of n is: *   1 point

○ 10

◉ 12

○ 16

○ 26

17) If a and b are whole numbers such that ab = 121, then find the value of (a – 1)^b + 1 *   1 point

○ 10

○ 10^1

○ 10^2

◉ 10^3

18) (6)^6.5 × (36)^4.5 ÷ (216)^4.5 = (6)? *   1 point

○ 4

◉ 6

○ 12

○ 2

19)$10^{222} \div 10^{220} = ?$ *   1 point

○ 10

○ 11

○ 10000

● 100

20)$65610.14 \times 65610.11 = ?$ *   1 point

○ 1

○ 8

● 9

○ 11

AFTER SUBMITTING THE TEST, PLEASE CHECK YOUR PROVIDED EMAIL TO VIEW YOUR SCORE AND RESPONSE SHEET. THANK YOU!!!

Forms