



CBS Olympiad

Science & Maths Olympiad 2024

Mock Test (Only for Practice Purpose)

Class- 10th

Maths/ Mat

1. which of the following is an irrational number ?

- A $\sqrt{23}$. B $\sqrt{225}$
C $\sqrt{81}$. D $\sqrt{64}$

2. The sum of the digits of a two digit number is 8. The number obtained by interchanging the two digits exceeds the given number by 36 the number will :

- A 62. B 35. C 26. D 53

3. Which term of the AP :21 ,42 ,63,84..... will be 420 ?

- A 18th. B 20th. C 16th. D 19th

4. If $\sin A = 4/5$, then the value of $\tan A$ will be

- A $5/3$. B $5/4$. C 1. D $4/3$

5. The area of the quadrant of a circle with circumference 22 cm will be :

- A $77/2\text{cm}$ B $77/8\text{cm}$
C $77/4\text{cm}$. D $77/6\text{cm}$

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6. When light enters from air into glass, which of the following doesn't change:-

- (a) wavelength. (b) velocity.
(c) frequency. (d) All

7. The refractive index of glass is $3/2$. What will be the speed of light in glass?

- (a) 2×10^8 m/s. (b) 2.25×10^8 m/s.
(c) 1.5×10^8 m/s. (d) 1.33×10^8 m/s

8. The particles of air smaller than the wavelength of visible light can cause scattering of which light ?

- (a) violet. (b) blue
(c) red. (d) green.

9 . Elongation of eyeball results in:-

- (a) myopia. (b) hypermetropia
(c) presbyopia. (d) astigmatism.

10.. Two electrical appliances of power 60 W and 100W are connected in parallel.The total power of the combination is:-

- (a) 60 W. (b) 100W
(c) 160W. (d) 40W

Language English

11.Which of the following option does not include example of this literary device?

- (a) the moon and the shimmering stars watched over us
(b) with that charming chat Catherine chose comfort
(c) away randha pathetic Pooch, pouting like a princess
(d) Dee dee was driving down day after day

12. Of the many symbols the hamlock tree represent ,choose the one of the Frost drew upon in all likelihood ,for this poem. Symbol of

- (a) longevity (b) togetherness
(c) healing (d) production

13. According to the Buddha peace of mind is attainable by those who

- (a) renounce wordly life like the Buddha
(b) take out the arrow and become strong
(c) grieve suffer and then move on
(d) recognise terms of life and let go of complaint

14. Find out the MISSPELLED Word.

- (a) NONE (b) WHEATHER
(C) CONSISTANT (d) BOTTLE

15. Choose the correct meaning of the PHRASE from the options given below. An uphill task

a) An easy task

b) A very difficult job

(c) To go for mountaineering

d) A very big responsibility

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