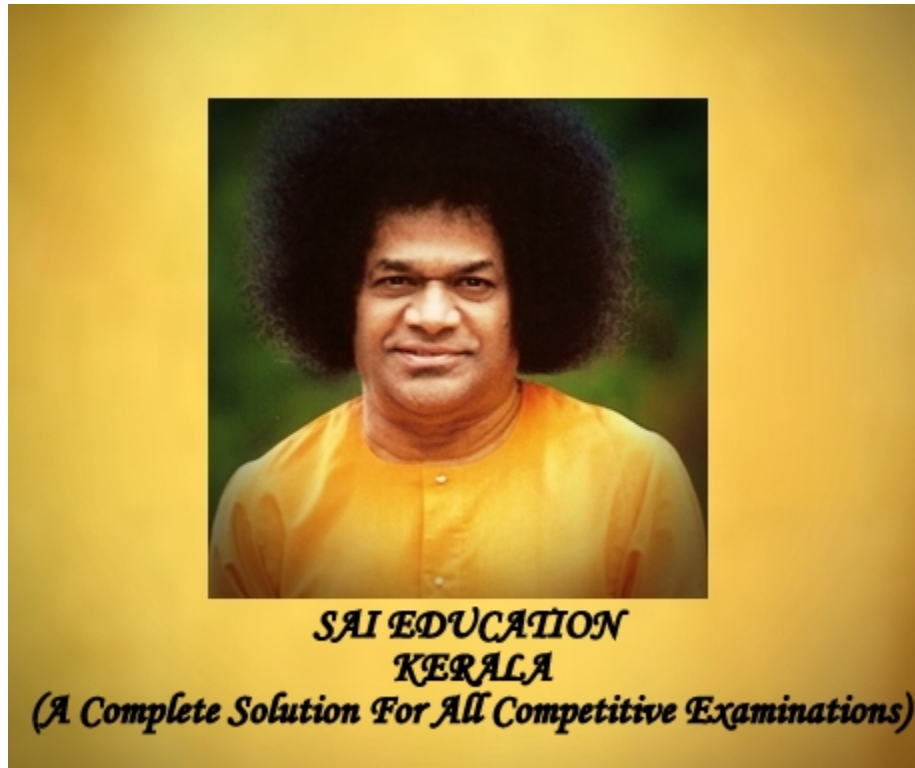


100 days online coaching day 59 (25-05-2019) Saturday

Physics



Name of the candidate *

Mentor 5

Please watch the online video:

https://youtu.be/luxHtoX_DUk
<https://youtu.be/Z5z8Gs8-ekQ>
<https://youtu.be/lt6uQKZiULY>

1. Which lens is present in telescope

1 point

- Concave lens
- Convex lens
- Bifocal lens
- Cylindrical lens

2. The ability of an optical instrument to produce separate images of two objects clearly is called

1 point

- Magnification
- Focal length
- Power of lense
- Resolving power

3. Short sight can be rectified by using

1 point

- Convex lens
- Bifocal lens
- Cylindrical lens
- Concave lens

4. Power of a lens is measured in

1 point

- Watt
- Volt
- Dioptre
- Hertz

5. Study of sound

1 point

- Acquaponics
- Optics
- Statistics
- Acoustics

6. Sound travels faster in

1 point

- Vacuum
- Air
- Solid
- Steel

7. Unit of intensity of sound

1 point

- Hertz
- Joule
- Watt
- Decibel

8. Number of vibrations in one second

1 point

- Amplitude
- Frequency
- Wave length
- Wave motion

9. Unit of force in CGS system

1 point

- Dyne
- Newton
- Joule
- Watt

10. Strongest force in nature

1 point

- Gravitational force
- Electromagnetic force
- Nuclear force
- Centripetal force

11. The principle of buoyancy was discovered by

1 point

- Pascal
- Archimedes
- Linus Pauling
- Lavoisier

12. The force which enable an object to move along a circular path is called 1 point

- Centripetal force
- Centrifugal force
- Torque
- Escape velocity

13. The force which opposes the relative motion of two surfaces in contact is called 1 point

- Impulse
- Inertia
- Friction
- Torque

14. Weakest force in nature 1 point

- Centripetal force
- Nuclear force
- Centrifugal force
- Gravitational force

15. In planets the value of g is maximum on

1 point

- Earth
- Saturn
- Mercury
- Jupiter

16. The force of attraction between unlike molecules are called

1 point

- Adhesion
- Cohesion
- Gravitational force
- Friction

17. Escape velocity of earth

1 point

- 11.2 m/s
- 2.4 m/s
- 11.2 km/s
- 2.4 km/s

18. Spherical shape of raindrops is due to

1 point

- Adhesion
- Cohesion
- Hydrogen bonding
- Surface tension

19. The weight of body in the moon is how manyth of its weight in the earth

1 point

1/2

1/4

1/6

1/8

20. The density of water is maximum at

1 point

100 degree Celsius

0 degree Celsius

-4 degree Celsius

4 degree Celsius

21. Allotrope of carbon, which is used as lubricant

1 point

Diamond

Fullerine

Graphite

Lead

22. A large force acting for a very short interval of time on a body is called 1 point

- Frictional force
- Impulsive force
- Gravitational force
- None

23. Inertia occurs due to which newtons law of motion 1 point


- 1st
- 2nd
- 3rd
- None

24. Sound waves produced by elephants and whales 1 point

- Ultrasonic
- Infrasonic
- Supersonic
- Hypersonic

25. Sound waves produced by bats and dolphins 1 point

- Ultrasonic
- Infrasonic
- Hypersonic
- Supersonic

Thank you 

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