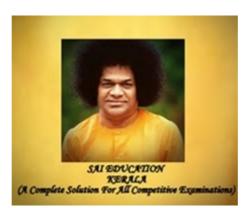
## 108 DAYS ONLINE COACHING TEST FOR MISSION 2020-(DAY 91)-[24-11-2020~TUESDAY]

PHYSICS



Name of the candidates \*

M1 -

Place of the candidates \*

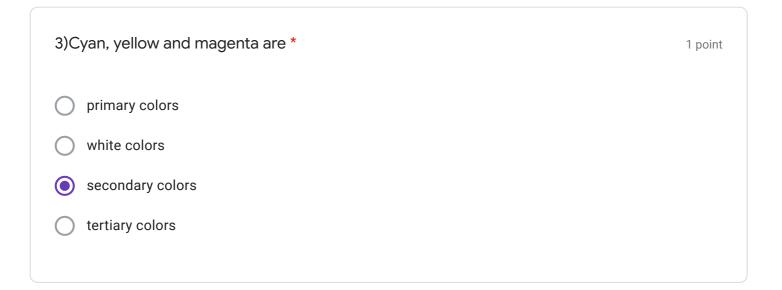
WhatsApp number (joined in sai edn coaching platform) \*

111

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

https://youtu.be/g2YN9JZeld4 https://youtu.be/hqptmVr5eOo https://youtu.be/hqptmVr5eOo

1) 'Short-sight' in human eye can be corrected by using proper *	1 point
<ul> <li>(a) convex lens</li> <li>(b) concave lens</li> </ul>	
<ul> <li>(c) cylindrical lens</li> <li>(d) bifocal lens</li> </ul>	
2)Image formed by plane mirror is *	1 point
<ul> <li>a. Real and erect</li> <li>b. Real and inverted</li> <li>c. Virtual and erect</li> <li>d. Virtual and inverted</li> </ul>	



4)On a rainy day, small oily films on water show brilliant colours. This is due to *	1 point
) a) scattering	
(b) interference	
(c) polarisation	
(d) none of these	
5). A star appears twinkling in the sky because of *	1 point
(a) scattering of light by atmosphere	
(b) reflection of light by atmosphere	

- (c) refraction of light by atmosphere
- (d) diffraction of light by atmosphere

6) In optical fibres, the refractive index of the core is *	1 point
(a) greater than that of the cladding.	
(b) equal to that of the cladding.	
(c) smaller than that of the cladding.	
(d) independent of that of cladding	
7)Why light is said to have a dual nature? *	1 point
• It exhibits the properties of wave and particles.	
It exhibits the properties of reflection and diffraction.	
It has both interference and polarisation effect.	
O None of the above	
8)Newtons laws do not hold good for particles *	1 point
A. at rest	
O B. moving slowly	
C. move with high velocity	

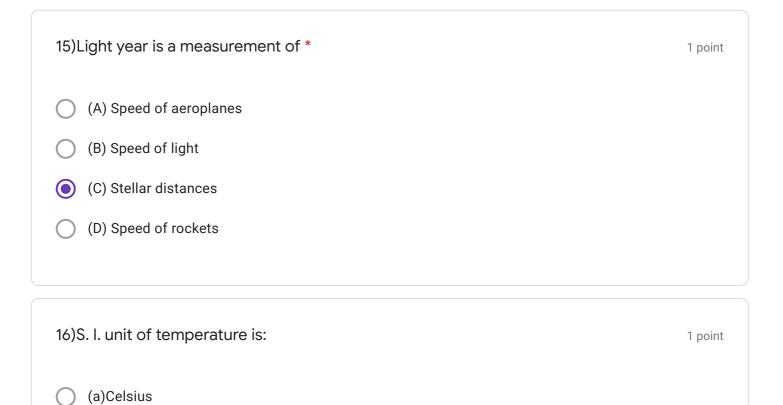
• D. move with velocity comparable to velocity of light

9)Inertia of an object is quantitative measure of its *	1 point
<ul> <li>A. volume</li> <li>B. density</li> <li>C. mass</li> </ul>	
O D. temperature	
10)Which law of motion is also called law of inertia? *	1 point
O A. 1st law	
B. 2nd law 2	
C. 3rd law	

11)Slope of velocity time graph is \*
A. acceleration
B. distance
C. force
D. momentum

1 point

12)Which of the following remains constant during the motion of the projectile 1 point firedfrom a planet, \* a. KE b. Momentum c. Vertical component of the velocity • d. Horizontal component of the velocity 13)Which of the following pairs has the same dimensions? \* 1 point (a) Specific Heat and Latent Heat (b) Impulse and Momentum (c) Surface Tension and Force (d) Moment of Inertia and Torque 14) Joule is the unit of \* 1 point (A) Temperature (B) Pressure (C) Energy ( )(D) Heat



- (b)Fahrenheit
- 0
- (c)Kelvin
- (d)None of these

17)The quantity of matter present in an object is called its *	1 point
(a)Weight	
(b)Gram	
(c)Mass	
(d)Density	

18)Which of the following phenomena always results in the cooling effect $^{\star}$	1 point
(a) Condensation	
(b) Evaporation	
(c) Sublimation	
(d) None of these	

19)On heating, a solid is converted to liquid. This change is called $^{\star}$	1 point
Melting	
O Fusion	
O Diffusion	
O Freezing	

20)Bose-Einstein Condensate have *	1 point
(a) Very low kinetic energy	
(b) Low kinetic energy	
(c) High kinetic energy	
(d) Highest kinetic energy	
Thank you!	

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