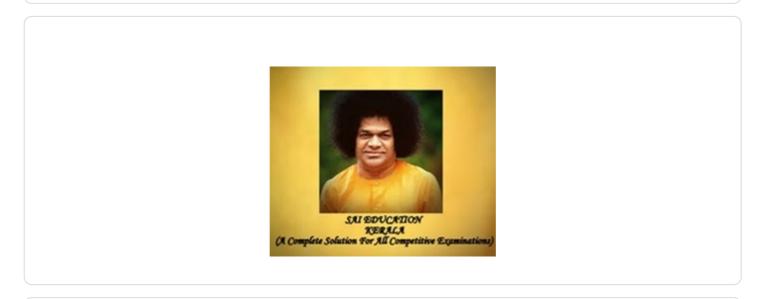
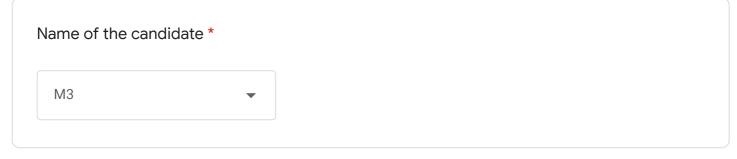
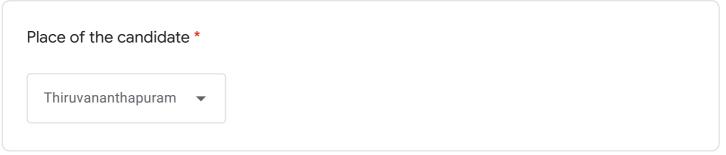
108 DAYS ONLINE COACHING DAY(38) -26/03/2020 THURSDAY

PHYSICS







WHAT APP NUMBER (JOINED IN SAIEDUCATION ONLINE COACHING PLATFORM) * 0000

Please watch the following videos and answer the following questions

https://youtu.be/g2YN9JZeld4 https://youtu.be/6X0Br8NEyJo https://youtu.be/hqptmVr5eOo

1. Bose-Einstein Condensate have * 1 poin	t
(a) Very low kinetic energy	
(b) Low kinetic energy	
(c) High kinetic energy	
(d) Highest kinetic energy.	
2.Which of the following is incorrect about plasma? * 1 points 1 points 2.Which of the following is incorrect about plasma? * 1 points 2.Which of the following is incorrect about plasma? * 1	t
(a) Fluorescent tube and neon sign bulbs consist of plasma.	
(b) The gas gets ionised when electrical energy flows through it.	
(c) It consists of super-energetic and super-excited particles.	
(d) The plasma glows with colour which does not depend upon nature of gas.	
3. On heating, a solid is converted to liquid. This change is called* 1 poin	t
Melting	
Fusion	
Diffusion	
Freezing	

4. Which of the following phenomena always results in the cooling effect? *	1 point
(a) Condensation	
(b) Evaporation	
(c) Sublimation	
(d) None of these	
5. Which of the following causes the temperature of a substance to remain constant while it is undergoing a change in its state? *	1 point
(a) Latent heat	
(b) Lattice energy	
(c) Loss of heat	
(d) None of these	
6. The quantity of matter present in an object is called its: *	1 point
(a)Weight	
(b)Gram	
(c)Mass	
(d)Density	

7At higher altitudes: *	1 point
(a)Boiling point of a liquid decreases	
(b)Boiling point of a liquid increases	
(c)No change in boiling point	
(d)Melting point of solid increases	
8. S. I. unit of temperature is: *	1 point
(a)Celsius	
(b)Fahrenheit	
(c)Kelvin	
(d)None of these	
9. Light year is a measurement of *	1 point
(A) Speed of aeroplanes	
(B) Speed of light	
(C) Stellar distances	
(D) Speed of rockets	

10. Joule is the unit of *	1 point
(A) Temperature	
(B) Pressure	
(C) Energy	
(D) Heat	
11. The equation of state of some gases can be expressed as Vander wal equation i.e. $(P + a/v^2)(V - b) = RT$ Where P is the pressure, V is the volume, T is the absolute temperature and a, b, R are constants. The dimensions of 'a' are: *	1 point
(a) [M^1L^1T^-1]	
(b) [M^1L^-5T^1]	
(c) [M^2L^5T^-1]	
(d) [M^1L^5T^-2]	
12. The dimensional formula for Planck's constant is *	1 point
(a) [MLT]	
(b) [ML^2T^-1]	
(c) [M^2L^2T^-1]	
(d) [ML^1T^-1]	

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. Which of the following remains constant during the motion of the projectile fired from a planet, *	1 point
a. KE	
b. Momentum	
c. Vertical component of the velocity	
d. Horizontal component of the velocity	
15. Slope of velocity time graph is *	1 point
A. acceleration	
B. distance	
C. force	
D. momentum	

16. Which law of motion is also called law of inertia? *	1 point
A. 1st law. 2nd law 2	
O. 3rd law D. all 1st, 2nd and 3rd laws	
17. Inertia of an object is quantitative measure of its *	1 point
A. volume	
B. density	
C. mass	
O. temperature	
18. Newtons laws do not hold good for particles *	1 point
A. at rest	
B. moving slowly	
C. move with high velocity	
D. move with velocity comparable to velocity of light	

19. 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. None of the above 	
20. 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.	
21. 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	

22. 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	
23. Cyan, yellow and magenta are *	1 point
oprimary colors	
white colors	
secondary colors	
tertiary colors	
24. Image formed by plane mirror is *	1 point
a. Real and erect	
b. Real and inverted	
c. Virtual and erect	
d. Virtual and inverted	

25. 'Short-sight' in human eye can be corrected by using proper *	1 point
(a) convex lens	
(b) concave lens	
(c) cylindrical lens	
(d) bifocal lens	
Thankyou!!!	

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