

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

PHYSICS



Name of the candidates \*

M1

Place of the candidates \*

KOZHIKODE

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

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## QUESTIONS

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>

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1) '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

2) Image formed by plane mirror is \*

1 point

- a. Real and erect
- b. Real and inverted
- c. Virtual and erect
- d. Virtual and inverted

3)Cyan, yellow and magenta are \*

1 point

- primary colors
- white colors
- secondary colors
- tertiary colors

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.
- None of the above

8) Newton's 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

9) Inertia of an object is quantitative measure of its \*

1 point

- A. volume
- B. density
- C. mass
- D. temperature

10) Which law of motion is also called law of inertia? \*

1 point

- A. 1st law
- B. 2nd law
- C. 3rd law
- D. all 1st, 2nd and 3rd laws

11) Slope of velocity time graph is \*

1 point

- A. acceleration
- B. distance
- C. force
- D. momentum

12) 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

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

15) Light year is a measurement of \*

1 point

- (A) Speed of aeroplanes
- (B) Speed of light
- (C) Stellar distances
- (D) Speed of rockets

16) S. I. unit of temperature is:

1 point

- (a) Celsius
- (b) Fahrenheit
- (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 \*

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 .....

1 point

- Melting
- Fusion
- Diffusion
- 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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