

# 108 Days Online Coaching Day (93)~06/05/2021, THURSDAY

PHYSICS

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NAME OF THE CANDIDATE (PLEASE ENTER YOUR FULL NAME) \*

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

<https://youtu.be/g2YN9JZeld4>

<https://youtu.be/6X0Br8NEyJo>

<https://youtu.be/hqptmVr5eOo>

Q.1. Which of the following states of matter has the weakest Inter molecular forces? \* 1 point

- Solid
- Liquid
- gas
- It is same in solid and liquid

Q.2. In which of the following states of matter the Inter atomic or inter molecular distance is fixed? \* 1 point

- Solid
- Liquid
- gas
- It is same in gas and liquid

Q.3. SI unit of Force? \*

1 point

- Newton
- Watt
- Hertz
- Farad

Q.4. The inability of a body to change its state of rest or motion is known as \*

1 point

- Force
- Momentum
- Displacement
- Inertia

Q.5. The force acting on a body for a short time are called as \*

1 point

- Impulse
- Tension
- Average force
- Momentum

Q.6. What do we get by the product of mass and velocity? \*

1 point

- Impulse
- Tension
- Average force
- Momentum

Q.7. Newton's third law of motion explains the two forces namely 'action' and 'reaction' coming into action when the two bodies are in contact with each other. These two forces: \*

1 point

- Always act on the same body
- Always act on the different bodies in opposite directions
- Average force
- Momentum

Q.8. The unit of measuring the momentum of a moving body is \*

1 point

- m/s
- kg.m/s
- kg.m/s<sup>2</sup>
- N m<sup>2</sup>/kg<sup>2</sup>

Q.9. The formula to calculate the force is \*

1 point

- $F=axh$
- $F=dxh$
- $F=pxh$
- $F=ma$

Q.10. The propulsion of a rocket is an example of \_\_\_\_ \*

1 point

- Newton's law of gravitation
- Newton's first law
- Newton's second law
- Newton's third law

Q.11. The momentum of a moving object \*

1 point

- Depends only on velocity
- Depends only on mass
- Depends on mass and velocity
- Does not depend on mass or velocity

Q.12. The formula to calculate momentum is \*

1 point

- M=mv
- M=ma
- M=ms
- M=mt

Q.13. Study of Light \*

1 point

- Optics
- Optometry
- ornithology
- oncology

Q.14. Which light has maximum wavelength? \*

1 point

- Violet
- Green
- Red
- Blue

Q.15. Colour that absorbs all other colour? \*

1 point

- White
- Black
- Red
- Blue

Q.16. Speed of Light was first calculated by? \*

1 point

- Roemer
- E C G Sudharsanan
- Gerald Feinberg
- Heinrich Rudolph

Q.17. Speed of light through vacuum? \*

1 point

- $3 \times 10^3$  m/s
- $3 \times 10^{16}$  m/s
- $3 \times 10^6$  m/s
- $3 \times 10^8$  m/s

Q.18. The stars twinkle due to? \*

1 point

- Refraction
- Reflection
- Dispersion
- Interference

Q.19. Splitting of light into its constituent colours is called? \*

1 point

- Refraction
- Reflection
- Dispersion
- Interference

Q.20. Working principle of Optic Fibre is ? \*

1 point

- Refraction
- Reflection
- Dispersion
- Total Internal Reflection

**AFTER SUBMITTING THE TEST, PLEASE CHECK YOUR PROVIDED EMAIL TO VIEW YOUR RESPONSE SHEET. THANK YOU!!!**

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