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## Physics MCQ Quiz & Online Test

Physics MCQ Quiz & Online Test: Below is few Physics MCQ test that checks your basic knowledge of Physics abilities. This Physics MCQ Quiz & Online Test contains 25 Multiple Choice Questions with 4 options. You have to select the right answer to a question.

**Q1. National Physical laboratory located In which city ?**

- **A. New Delhi**
- B. Pune
- C. Mumbai
- D. Chennai

**Q2. Which statement is correct regarding velocity and speed of a moving body?**

- A. Speed of a moving body is its velocity in a given direction
- **B. Velocity of a moving body is its speed in a given direction**
- C. Velocity of a moving body is always higher than its speed
- D. Speed of a moving body is always higher than its velocity

**Q3. The numerical ratio of displacement to distance for a moving object is**

- A. Always more than 1
- B. Always less than 1
- **C. Equal to 1 or less than 1**
- D. Equal to 1 or more than one

**Q4. The following leads to the law of conservation of energy is**

- A. Isotropy
- B. Gravity
- C. Nuclear force
- **D. Homogeneity of time**

**Q5. The SI unit of luminous intensity is -**

- A. Radian
- B. Sterdian
- C. Mole
- **D. Candela**

**Q6. Sterdian is the SI unit of \_\_\_\_\_ .**

- A. Luminous intensity
- B. Phase angle
- **C. Solid angle**
- D. Mass

**Q7. Which of the following is a polar Vector?**

- A. Gives the position of an object
- **B. Has a starting point of application**
- C. Represents rotational effect
- D. Tells how much and in which direction an object has changed its position

**Q8. \_\_\_\_\_ has zero magnitude.**

- **A. Zero vector**
- B. Fixed vector
- C. Unit vector
- D. Modulus of a vector

**Q9. Which of the following is not a conservative force?**

- A. Elastic force
- B. Gravitational force
- C. Electrostatic force
- **D. Force of friction**

**Q10. The mechanical energy of a system is always conserved. True or False?**

- **A. False**
- B. True

**Q11. If the length of a simple pendulum is increased by 2%, then the time period**

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- A. Decreases by 1%
- **B. Increases by 1%**
- C. Increases by 2%
- D. Decreases by 2%

**Q12. When a rope is pulled on either side, what is the stress acting on it?**

- **A. Tensile stress**
- B. Compressive stress
- C. Normal stress
- D. Tangential stress

**Q13. The effect of hammering on elasticity of materials is -**

- A. Decreases the elasticity
- B. Has no effect on elasticity
- **C. Increases the elasticity**
- D. Breaks the material

**Q14. When a moving bus suddenly stops, a person sitting \_\_\_\_\_.**

- **A. Falls forward**
- B. Stands up
- C. Falls backward
- D. Is unaffected

**Q15. The Wien's displacement law expresses a relation between -**

- A. Radiated energy and wavelength
- B. Colour of light and emissive power
- C. Temperature and emissive power
- **D. Wavelength corresponding to maximum energy and absolute temperature**

**Q16. A bullet fired from a gun can pierce a target due to its -**

- A. Mechanical energy
- **B. Kinetic energy**
- C. Acceleration
- D. Heat energy

**Q17. A satellite revolves very near to the earth surface. Its speed should be around?**

- **A. 8km/s**
- B. 5km/s
- C. 2km/s
- D. 11km/s

**Q18. The ratio of velocity of sound in hydrogen and oxygen at STP is \_\_\_\_\_.**

- A. 16:1
- **B. 4:1**
- C. 8:1
- D. 2:1

**Q19. The roof of buildings painted white, because -**

- **A. It reflect radiations**
- B. It absorbs radiation
- C. It is cheaper
- D. It conducts heat

**Q20. When a material is heated then what happens?**

- A. It contracts
- **B. It expands**
- C. It melts

- D. It bursts

**Q21. The temperature of a body can be negative on the Kelvin scale. True or False?**

- A. True
- B. False

**Q22. \_\_\_\_\_ is an effective coolant.**

- A. Mercury
- B. Oil
- C. Water
- D. Acids

**Q23. Which of the following is a simple harmonic motion?**

- A. Particle moving in a circle with uniform speed
- B. Earth spinning about its axis
- C. Wave moving through a string fixed at both ends
- D. Ball bouncing between two vertical walls

**Q24. Two waves are propagating with the same amplitude and nearly same frequency in opposite direction, they result in -**

- A. Stationary wave
- B. Beats
- C. Resonance
- D. Wave packet

**Q25. Heat capacity of a substance is infinite. It means \_\_\_\_\_**

- A. Heat is taken out
- B. Heat is given out
- C. No change in temperature
- D. Heat is first given out and then taken out

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