



Top-25 Physics Questions

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Instructions

For the following questions answer them individually

Question 1

In which medium, velocity of sound is maximum?

- A Metals
- B Air
- C Water
- D Polymer

Answer: A

Question 2

Decibel is used to measure the intensity of

- A Magnetic field
- B Sound
- C Light
- D Heat

Answer: B

Question 3

The charge of an electron is:

- A $-1.60 \times 10^{-29}C$
- B $+1.60 \times 10^{-19}C$
- C $-1.60 \times 10^{-19}C$
- D $+1.60 \times 10^{-29}C$

Answer: C

Explanation:

The charge of an electron is $-1.60 \times 10^{-19} C$

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Question 4

What is the valley (lowest portion) of a sound wave called?

- A Highest
- B Crest
- C Lowest
- D Trough

Answer: D

Question 5

The Ozone layer protects us from:

- A Infrared rays
- B Visible rays
- C Cosmic rays
- D Ultra-Violet rays

Answer: D

Question 6

On increasing the temperature of solids, the kinetic energy of the particles

- A Is constant
- B First increases and then decreases
- C Increases
- D Decreases

Answer: C

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Question 7

The forbidden gap between the conduction band and the valence band in an insulator is _____

- A Smaller when compared to semiconductors
- B Equal when compared to conductors
- C Larger when compared to conductors
- D None of these

Answer: C

Question 8

Which particles do not have effect on electric and magnetic field?

- A Alpha particles
- B Beta particles
- C Gamma particles
- D None of the above

Answer: C

Question 9

What are the three main lubricants used in moving parts of a machine?

- A Oil, rubber, adhesives
- B Oil, grease, graphite
- C Graphite, sandpaper, resin
- D Grease, resins and sandpaper

Answer: B

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Question 10

The process of attempting to obtain sensitive information such as usernames and passwords often for malicious reasons by portraying as a trustworthy company in an electronic communication is called?

- A Virus
- B Collating
- C Phishing
- D Degrading
- E Mortifying

Answer: C

Question 11

A rectifier converts

- A Low voltage to high voltage
- B Alternating Current into a Direct Current
- C Varying Alternating Current to constant Alternating Current
- D Direct Current to Alternating Current

Answer: B

Question 12

The Sun and the stars glow because of the presence of _____ in them.

- A Gases
- B Light energy
- C Electricity
- D Plasma

Answer: D

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Question 13

What did Archimedes determine after discovering the Archimedes principle?

- A** Purity of gold in the king's crown
- B** Design concept of submarine
- C** Design concept of ship
- D** Purity of milk

Answer: A

Question 14

The process of taking food into the body is called?

- A** Digestion
- B** Ingestion
- C** Elimination
- D** Absorption

Answer: B

Question 15

Repetition of sound produced by reflection of sound waves is called?

- A** Noise
- B** Double
- C** Note
- D** Echo

Answer: D

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Question 16

Why is weightlessness experienced while orbiting the earth in space ships ?

- A** Inertia
- B** Acceleration
- C** Zero gravity
- D** Orbital motion

Answer: C

Question 17

Which of these does NOT have an optical lens?

- A Periscope
- B Stethoscope
- C Telescope
- D Microscope

Answer: B

Question 18

According to Heisenberg Uncertainty Principle, _____ and momentum cannot be determined accurately at the same time?

- A Distance travelled
- B Displacement
- C Position
- D Velocity

Answer: C

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Question 19

Which among the following Fundamental forces is the weakest force?

- A Electromagnetic Force
- B Gravitational Force
- C Strong Nuclear Force
- D Weak Nuclear Force

Answer: B

Question 20

What is the range of wavelength for Infrared radiation?

- A 300 GHz to 430 THz
- B 30 GHz to 40 THz
- C 300 MHz to 430 GHz
- D 300 Hz to 430 MHz

Answer: A

Question 21

If a pendulum is allowed to oscillate in vacuum, its time period will _____.

- A decreases
- B Increases

- C remains same
- D first increases and then decreases

Answer: A

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Question 22

Which Substance has the highest heat capacity?

- A Oxygen
- B Nitrogen
- C Hydrogen
- D Methane

Answer: C

Question 23

The center of curvature of convex Mirror lies ____

- A At the focus
- B Behind the Mirror
- C At the pole
- D Infront of the mirror

Answer: B

Question 24

A moving electric Charge Produces ____

- A Electric field
- B Magnetic field
- C Both a & b
- D None of the above

Answer: C

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Question 25

American Physicist and the only Person to win Nobel Prize in Physics twice in 1956 and 1972 is ____

- A John Bardeen
- B Paul Dirac
- C Richard Feynman

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