

Physics

Q1) Blades of a windmill possess_____, hence they are turned by a fast wind.

Ans -: Potential Energy

Q2) A dark-skinned man experiences_____, as compared to a fair skinned man.

Ans -: Less heat & Less cold

Q3) What device is used to break/complete an electronic circuit?

Ans -: Switch

Q4) What is the temperature at which both the Fahrenheit and the centigrade scales have the same value?

Ans -: -40°

Q5) Acceleration acts always in the direction of the_____.

Ans -: Net force

Q6) The principle used in working of an atom bomb is_____.

Ans -: Nuclear Fission

Q7) What is the unit used to measure the depth of sea?

Ans -: Fathom

Q8) Astigmatism can be corrected by_____.

Ans -: Cylindrical lenses

Q9) Lambert's Law is related to_____.

Ans -: Illumination

Q10) In a Battery, which energy is converted into Electrical energy?

Ans -: Chemical Energy

Q11) The longitudinal mechanical waves of less than 20Hz are called_____.

Ans -: Infrasonic

Q12) Distance of stars are measured in _____?

Ans -: Light Years

Q13) Albert Einstein was awarded the Noble prize for _____.

Ans -: Photoelectric Effect

Q14) Electric Motor converts the Electric energy into_____.

Ans -: Electric energy to Mechanical energy

Q15) Robert Koch has invented the_____.

Ans -: Electron microscope

Q16) Force of attraction between the molecules of different substances is called_____.

Ans -: Adhesive Force

Q17) Electrons in Good conductors are_____.

Ans -: loosely bound

Q18) One barrel of oil = _____ litres. (approximately)

Ans -: 159

Q19) If a bar magnet is cut length wise into 3 parts, what will the total number of poles be?

Ans -: 6

Q20) If the body is hollow, then its centre of gravity lies?

Ans -: Outside the material

Q21) If the temperature inside a room is increased, the relative humidity will_____.

Ans -: Decrease

Q22) In summer, the mirages are seen due to the phenomenon of_____.

Ans -: Total Internal Reflection

Q23) In the visible spectrum which colour has the longest wavelength?

Ans -: Red

Q24) In which medium sound travels faster?

Ans -: Solid

Q25) Insects can move on the surface of water without sinking due to_____.

Ans -: Surface tension of water

Q26) The Laws of Electrolysis were proposed by –

Ans -: M Faraday

Q27) Light travels in a_____.

Ans -: Straight line

Q28) What is used as a cooling agent in most of the world's commercial nuclear power plants?

Ans -: Water

Q29) Nature of sound wave is_____?

Ans -: Longitudinal

Q30) 1 fermi unit is equal to –

Ans -: 10^{-15}m

Q31) How many basic S.I. units are there?

Ans -: Seven

Q32) What is the principle on which a transformer works?

Ans -: Mutual Induction

Q33) The distance between Earth and Sun is termed as –

Ans -: 1 Astronomical unit

Q34) Potential energy of your body is minimum when you _____.

Ans -: Lie down on ground

Q35) What is the freezing point (temperature) of Pure water?

Ans -: 32 F

Q36) What is the unit of measurement of an Angle?

Ans -: Radian

Q37) Radio waves of constant amplitude can be generated with an _____.

Ans -: Oscillator

Q38) Hooke's law is related to

Ans -: Elasticity

Q39) Sudden fall in barometer is indication of _____.

Ans -: Storm

Q40) Water moving up a straw is an example of _____.

Ans -: Capillary Action

Q41) The blue colour of the clear sky is due to_____.

Ans -: Dispersion of Light

Q42) What is a magnetic field's direction within a magnet?

Ans -: From South to North

Q43) The experiment demonstrating the existence of electromagnetic wave was first conducted by

Ans -: Heinrich Hertz

Q44) The filament string in an electric bulb is made of which metal?

Ans -: Tungsten

Q45) Drag is the_____ force exerted by fluids.

Ans -: Friction

Q46) The hydraulic brake used in automobiles is a direct application of_____.

Ans -: Pascal's Law

Q47) The image formed by convex lens in a simple microscope is_____.

Ans -: Virtual & Erect

Q48) What kind of mirror is used in motor vehicles near the driver's seat?

Ans -: Convex Mirror

Q49)_____&_____are present in the nucleus of an atom.

Ans -: Neutrons and protons

Q50) The size of atomic nucleus is of the order of_____.

Ans -: 10^{-15} m