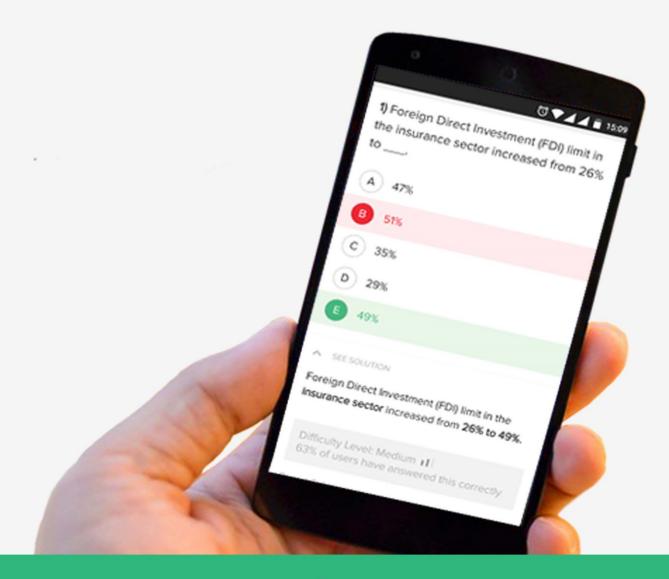


Frequently Asked Questions from Physics

for SSC CGL Exam





- 1. The unit of measurement of noise is
 - A. Decibel
- B. Hertz
- C. Amplifier
- D. Acoustics

- Ans. A.
- 2. Sea water is saltier than rain water because
 - A. Sea animals are salt producing
 - B. The air around the sea is saltish
 - C. Rivers wash away salts from earth and pour them into the sea
 - D. Sea beds have salt producing mines
- Ans. C.
- 3. Which of these is a dwarf planet?
 - A. Neptune
- B. Titan
- C. Eris
- D. Hydra

- Ans. C.
- 4. Which one of the following processes is responsible for the glittering of air bubble rising through water?
 - A. Reflection of light
 - B. Refraction of light
 - C. Total internal reflection of light
 - D. Scattering of light
- Ans. C.
- 5. In an optical fibre the signal is transmitted
 - A. in a straight line path
 - B. In a curved path
 - C. due to total internal reflection
 - D. Due to refraction
- Ans. C.
- 6. The space shuttle which took Sunita Williams beyond earth was
 - A. Challenger
- B. Galileo
- C. Discovery
- D. Voyager-2

- Ans. C.
- Sun appears red in colour at sunrise and sunset due to
 - A. the fact that sun emits only red colour at that time
 - B. red light having longer wave length scatters away
 - C. that sun comes out of the mountains
 - D. that all other colours scatter away except red
- Ans. D.
- 8. At hill stations, the boiling point of water will be
 - A. same as at sea level
 - B. less than that at sea level
 - C. more than that at sea level
 - D. equal to the melting point of ice
- Ans. B.

- 9. Even after sunset, the air near the Earth's surface continue to receive heat due to
 - A. Insolation
 - B. Terrestrial Radiation
 - C. Conduction
 - D. Convection
- Ans. B.
- 10. An eudiometer measures
 - A. Atmospheric pressure
 - B. Time
 - C. Volume of gases
 - D. Vapour pressure
- Ans. C.
- 11. What type of lens is used to correct vision of a person suffering from Myopia?
 - A. Convex lens
- B. Concave lens
- C. Crossed lens
- D. Cylindrical lens

- Ans. B.
- 12. A man standing close to the platform at a railway station experiences a pulling force towards a fast moving train because of
 - A. gravitational force between train and man
 - B. illusion of the man
 - C. the centripetal force
 - D. pressure difference due to fast moving air in between
- Ans. D.
- 13. When we see an object, the image formed on the retina is _____
 - A. Real and inverted
 - B. Real and erect
 - C. Virtual and erect
 - D. Virtual and inverted
- Ans. A.
- 14. Kinetic energy depends on
 - A. the velocity or speed of the moving body.
 - B. the mass of the moving body
 - C. the pressure of the moving body
 - D. both mass and velocity of the moving body
- Ans. D.
- 15. In which form is the supplied heat energy stored during change in temperature of substance?
 - A. Heat energy
 - B. Kinetic energy
 - C. Potential energy
 - D. Both kinetic and potential energy
- Ans. B.



- 16. The Beaufort scale is used to measure:
 - A. Atmospheric pressure
 - B. Altitudes of mountains
 - C. Wind velocity
 - D. Intensity of earthquakes
- Ans. C.
- 17. The component used for tuning a radio is basically a variable .
 - A. Resistor
- B. Condenser
- C. Inductor
- D. Transformer

- Ans. B.
- 18. Transformer is a device to convert
 - A. D.C. to A.C.
 - B. Low voltage D.C. into high voltage D.C.
 - C. Low voltage A.C. into high voltage A.C.
 - D. Mechanical energy into Electrical energy
- Ans. C.
- 19. The weight of an object is maximum
 - A. on the equator
 - B. on the surface of the earth
 - C. at the centre of the earth
 - D. on the poles of the earth
- Ans. D.
- 20. Which instrument is used for photographing the Sun?
 - A. Galvanometer
 - B. Potentiometer
 - C. Spectrophotometer
 - D. Spectroheliograph
- Ans. D.
- 21. Fuse wire is made of an alloy of
 - A. Tin and Lead
 - B. Tin and Copper
 - C. Lead and Copper
 - D. Copper and Silver
- Ans. A.
- 22. Which of the following has the lowest frequency?
 - A. Visible light
- B. Gamma rays
- C. X-rays
- D. Ultra violet rays

- Ans. A.
- 23. A fresh egg when placed in salt water will
 - A. sink and go to the bottom
 - B. sink but will not go to the bottom
 - C. float
 - D. burst
- Ans. C.
- 24. Flemings "Left hand Rule" is associated with the effect of
 - A. Electric field on current
 - B. Magnetic field on magnet
 - C. Electric field on magnet
 - D. Magnetic Field on current
- Ans. D.

- 25. An emulsion is a colloidal solution of
 - A. Liquid in liquid C. Gas in solid
- B. Solid in liquid D. Solid in Solid

- Ans. A.
- 26. Why the Earth is having its own atmosphere?
 - A. Winds
 - B. Clouds
 - C. Gravity
 - D. Rotation of the Earth
- Ans. C.
- 27. A level of atmosphere which is composed partly of electrons and positive ions is called
 - A. Troposphere
- B. Ionosphere
- C. Stratosphere
- D. Mesosphere

- Ans. B.
- 28. On a clean glass plate a drop of water spreads to form a thin layer whereas a drop of mercury remains almost spherical because
 - A. Mercury is a metal
 - B. Density of mercury is greater than that of water
 - C. Cohesion of mercury is greater than its adhesion with glass
 - D. Cohesion of water is greater than its adhesion with glass
- Ans. C
- 29. Which one of the following is an insulator?
 - A. Copper
- B. Wood
- C. Mercury
- D. Aluminium

- Ans. B
- 30. Bubbles of air rise up through liquids due to:
 - A. Surface tension and adherence
 - B. viscosity and buoyancy.
 - C. air current over the liquid and buoyancy
 - D. Up thrust and surface tension.
- Ans. B.
- 31. In the context of nonconventional energy, what is the meaning of 'OTE' ?
 - A. Ocean Tidal Energy
 - B. Ocean Thermal Energy
 - C. Ocean Tidal Electricity
 - D. Other Thermal Energy
- Ans. B.
- 32. The atomic bomb is based on the principle of
 - A. Uncontrolled nuclear fusion
 - B. Uncontrolled nuclear fission
 - C. Controlled nuclear fission
 - D. Controlled nuclear fusion
- Ans. B.



- 33. We are able to walk on earth without slipping because of
 - A. Gravitational force
 - B. Frictional force
 - C. Viscous force
 - D. Centrifugal force
- Ans. B.
- 34. What is the phenomenon which established the transverse nature of light?
 - A. Reflection
- B. Interference
- C. Diffraction
- D. Polarisation

- Ans. D.
- 35. What is the name of the device used to convert alternating current into direct current?
 - A. Ammeter
- B. Galvanometer
- C. Rectifier
- D. Transformer

- Ans. C.
- 36. Why does ice covered in sawdust not melt quickly?
 - A. Sawdust does not allow the air to touch the ice
 - B. The water is absorbed by sawdust
 - C. Sawdust is a bad conductor of heat
 - D. Sawdust is good conductor of heat
- Ans. C.
- 37. Stars twinkle but planets do not twinkle because
 - A. they emit light of a constant intensity
 - B. their distance from the earth does not change with time

- C. they are very far away from the earth resulting in decrease in intensity of light
- D. they are nearer to the earth and hence we receive a greater amount of light and therefore minor variations in intensity are not noticeable
- Ans. D.
- 38. Which of the following is not true about X-rays?
 - A. have low penetrating power
 - B. travel with the speed of light
 - C. Can be reflected or refracted
 - D. can affect photographic plates
- Ans. A.
- 39. In hydel power station, the motion produced in turbines is due to
 - A. flow of water
- B. burning of coal
- C. burning of diesel
- D. production of steam

- Ans. A.
- 40. The 'Choke' used with a tube light is basically

A. an inductor

B. a capacitor

C. a transformer

D. a resistor

- Ans. A.
- 41. Curie is an unit of ___
 - A. Radioactivity
 - B. energy of Gamma rays
 - C. intensity of Gamma rays
 - D. work function

Ans. A.



Banking & SSC Online Mock Test Series

- Based on Latest Exam Pattern
- Available in Hindi & English
- Get all India rank & result analysis

