

General Science Mega Quiz for SSC Tier-1 (Solutions)

S1. Ans.(d)

Sol. Doppler's effect can be described as change in frequency or wavelength of a wave for an observer which is moving with respect to its source.

S2. Ans.(b)

Sol.

- Adding detergent to the water lowers the surface tension of water.
- Detergent weakens the hydrogen bonding of water.

S3. Ans.(d)

Sol.

- Seismograph is an instrument used to detect seismic waves.
- Earthquakes are caused by propagation of seismic waves.

S4. Ans.(b)

Sol. The S.I. unit of the temperature is Kelvin(K).

S5. Ans.(b)

Sol. Lactometer is used to measure the density of the milk.

S6. Ans.(d)

Sol.

- Washing machine works on the principle of centrifugation.
- It is a metallic rod which is used to prevent building from lightening.

S7. Ans.(b)

Sol. Rubber is used to shield the instruments from external magnetic field.

S8. Ans.(a)

Sol. Noise pollution is measured in decibels.

S9. Ans.(a)

Sol. Echo is produced due to the reflection of the sound waves through a large obstacles.



S10. Ans.(a)

Sol. It is used for seeing below the surface of the water.

S11. Ans.(d)

Sol.

- Simple machines use single force to make work easier.
- Pulley is an example of the simple Machine.

S12. Ans.(a)

Sol.

- Electrostatic precipitator is device which is used to remove impurities from air.
- It is used to reduce the air pollution.

S13. Ans.(a)

Sol. Due to the movement of the free electrons electric current flows in a metal wire.

S14. Ans.(c)

Sol.

- The layer of the atmosphere that reflects radio waves is the ionosphere.
- The ionosphere is defined as the layer of the earth's atmosphere that is ionized by solar and cosmic radiation.

S15. Ans.(b)

Sol.

- Fuse wire is used to limit the flow of electrical current in a circuit.
- Fuse wire has the very low melting point and high resistance.

S16. Ans.(a)

Sol. Curie is the si unit of Radioactivity.

S17. Ans.(c)

Sol. As microphone is a type of transducer, it converts sound energy into the electrical energy.

S18. Ans.(b)

Sol. These colors are often observed as light passes through a triangular prism. Upon passage through the prism, the white light is separated into its component colors.-red, orange, yellow, green, blue and violet.

The separation of visible light into its different colors is known as dispersion.

S19. Ans.(b)

Sol. Sonar is used to navigate, communicate with or detect objects on or under the surface of water.

S20. Ans.(b)

Sol.

- Shrillness of sound depends on it's frequency.
- Voice is shrill because of higher frequency of sound.

S21. Ans.(a)

Sol. Current carrying conductor produces magnetic field.

S22. Ans.(a)

Sol. An ideal voltmeter has infinite resistance.

The current flow in ideal voltmeter is zero.

S23. Ans.(b)

Sol. Regulator is used to change the speed of the fan.

S24. Ans.(c)

Sol. The layer of the atmosphere that reflects radio waves is the ionosphere.

The ionosphere is defined as the layer of the earth's atmosphere that is ionized by solar and cosmic radiation.

S25. Ans.(a)

Sol. Both magnetic field and electric field is produced due to the moving electric charge.

S26. Ans.(d)

Sol. NOT gate is a logic gate and referred as an inverter.

It can be operated by the only one transistor.

S27. Ans.(c)

Sol. When barometer dips suddenly, it indicates the storm like condition in weather.

S28. Ans.(b)

Sol. These colors are often observed as light passes through a triangular prism. Upon passage through the prism, the white light is separated into it's component color's.-red, orange, yellow, green, blue and violet.

The separation of visible light into it's different colors is known as dispersion.

S29. Ans.(d)

Sol. Mass is defined as the amount of substance that an object has.

It has no direction hence, it is physical, fundamental, scalar quantity.

S30. Ans.(d)

Sol. Pascal's law states that if there is a change occurring in the pressure at any point in a confined fluid.

It will transmit throughout the fluid and the same change will occur everywhere.

ENGLISH

SSC CGL

TIER-I / PRE E-KIT

Ace - Advanced | Arithmetic | English
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