

## General Science Mega Quiz for SSC Tier-1

**Q1. The Doppler's effect is applicable for?**

- (a) Light wave.
- (b) sound wave.
- (c) space wave.
- (d) Both a and b.

**Q2. The surface tension of water on adding detergent to it?**

- (a) increases.
- (b) decreases.
- (c) no change.
- (d) becomes zero.

**Q3. The instrument for measuring intensity of earthquakes is called?**

- (a) ediograph.
- (b) pantagraph.
- (c) ergograph.
- (d) seismograph.

**Q4. What is not true about the temperature?**

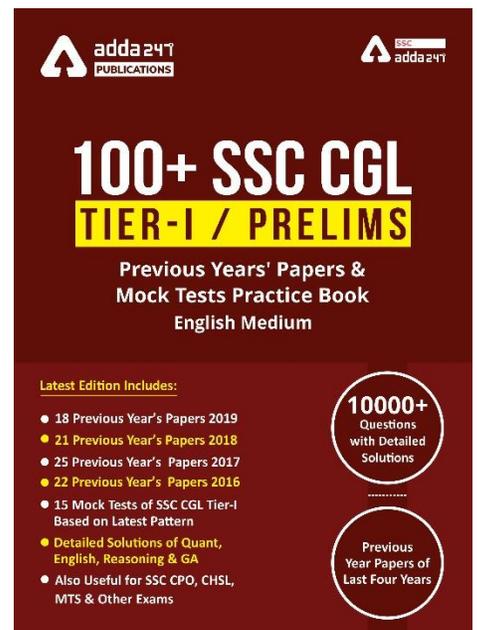
- (a) it is one of the seven si base quantities.
- (b) it is measured in degree Celsius in si unit.
- (c) Temp 0degree Celsius= 273.15 Kelvin.
- (d) All are true.

**Q5. An instrument used to measure the density of milk is?**

- (a) Glactometer.
- (b) lactometer.
- (c) calciometer.
- (d) polarimeter.

**Q6. The washing machine works on the principle of?**

- (a) dialysis.
- (b) diffusion.
- (c) reverse osmosis.
- (d) centrifugation.



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**Q7. Instruments can be shielded from the outside magnetic effect by surrounding them with?**

- (a) Iron shield.
- (b) Rubber shield.
- (c) Brass shield.
- (d) glass shield.

**Q8. The unit of noise pollution is?**

- (a) Decibel.
- (b) Decimal.
- (c) ppm.
- (d) none of the above.

**Q9. Echo is produced due to?**

- (a) Reflection of sound.
- (b) Refraction of sound.
- (c) Resonance.
- (d) none of these.

**Q10. Hydroscope is an instrument that shows changes in?**

- (a) sound under water.
- (b) atmospheric humidity.
- (c) density of liquid.
- (d) elevation of land.

**Q11. A simple Machine?**

- (a) cannot increase the force.
- (b) cannot increase the speed.
- (c) cannot increase the work.
- (d) cannot change the direction of the applied force.

**Q12. Electrostatic precipitator is used to control the pollution of?**

- (a) Air.
- (b) water.
- (c) noise.
- (d) thermal.

**Q13. Electric current in a metal wire is due to the flow of?**

- (a) electrons.
- (b) protons.
- (c) ions.
- (d) holes.

**Q14. The layer of atmosphere used for radio-wave transmission is?**

- (a) Chromospheres.
- (b) troposphere.
- (c) ionosphere.
- (d) stratosphere.

**Q15. A device which is used to limit the current in an electrical circuit is called?**

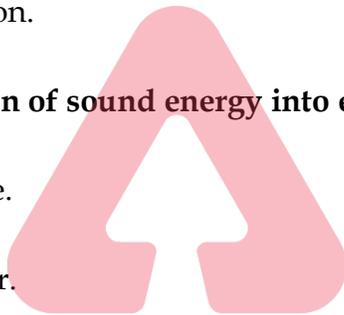
- (a) grid.
- (b) fuse.
- (c) hub.
- (d) conductor.

**Q16. Curie is an unit of?**

- (a) Radioactivity.
- (b) energy of Gamma rays.
- (c) intensity of Gamma rays.
- (d) work function.

**Q17. Conversion of sound energy into electrical energy is done by?**

- (a) Solar cell.
- (b) gramophone.
- (c) microphone.
- (d) loud speaker.



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**Q18. The splitting of different colours of light in a prism is?**

- (a) Reflection of light.
- (b) dispersion of light.
- (c) Diffraction of light.
- (d) Refraction of light.

**Q19. Submerged objects can be located using?**

- (a) Radar.
- (b) Sonar.
- (c) Quasar.
- (d) Pulsar.

**Q20. Women have shrill voice because of?**

- (a) low frequency.
- (b) High frequency.
- (c) shrill vocals.
- (d) strong epiglottis.

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**Q21. Current carrying conductor is related to?**

- (a) magnetic field.
- (b) electric field.
- (c) electromagnetic field.
- (d) electrostatic field.

**Q22. What is the resistance of an ideal voltmeter?**

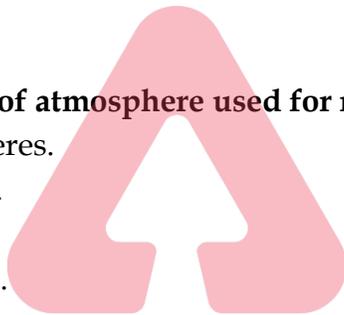
- (a) Infinite.
- (b) zero.
- (c) High.
- (d) low.

**Q23. Instrument used to change the speed of electric fan\_\_\_\_\_?**

- (a) amplifier.
- (b) regulator.
- (c) switch.
- (d) rectifier.

**Q24. The layer of atmosphere used for radio-wave transmission is?**

- (a) Chromospheres.
- (b) troposphere.
- (c) ionosphere.
- (d) stratosphere.



**Q25. Moving electric charge produces?**

- (a) magnetic field.
- (b) sound waves.
- (c) light Ray's.
- (d) heat waves.

**Q26. NOT gate can be operated by?**

- (a) single diode.
- (b) two diode.
- (c) single resistor.
- (d) single transistor.

**Q27. When the barometer reading dips suddenly, it is an indication of?**

- (a) hot weather.
- (b) Calm weather.
- (c) storm.
- (d) dry weather.

**Q28. The splitting of different colours of light in a prism is?**

- (a) Reflection of light.
- (b) dispersion of light.
- (c) Diffraction of light.
- (d) Refraction of light.

**Q29. Mass of an object is a \_\_\_\_?**

- (a) physical quantity.
- (b) fundamental quantity.
- (c) scalar quantity.
- (d) all options are correct.

**Q30. For which of the following game, players must have the knowledge of Pascal's law?**

- (a) climbing.
- (b) paragliding.
- (c) Rafting.
- (d) scuba diving.

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