

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

S1. Ans.(a)

S2. Ans.(a)

S3. Ans.(a)

S4. Ans.(c)

S5. Ans.(d)

S6. Ans.(b)

S7. Ans.(d)

S8. Ans.(c)

S9. Ans.(d)

S10. Ans.(d)

S11. Ans.(a)

Sol.

- Velocity as the rate of change of position. The slope of a distance or position- time graph is velocity.
- Acceleration is the rate of change of velocity.
- The slope of a velocity- time graph is acceleration.

S12. Ans.(c)

Sol.

- Water has a very high specific heat capacity, that is, to raise the temperature of unit mass of water by 1 degree Celsius, a large amount of heat is required.
- Car radiator gets heated up by large temperature. Water can easily take up this heat without going heated up itself.

S13. Ans.(b)

Sol.

- When ice at 0 degree Celsius melts., it absorbs an equal amount of heat – 80 calories for each gram ice and it's temperature remains unchanged until it has completely melted.

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.



NRA-CET Ready

SSC

Useful for CGL, CHSL & others

TEST PACK

Bilingual (with eBooks)
12 Months Validity*

S15. Ans.(b)

Sol. The pen draws ink from the reservoir through a feed to the nib and deposits it on paper via a combination of gravity and capillary action.

S16. Ans.(b)

Sol. A hygrometer is a weather instrument used to measure the amount of humidity in the atmosphere.

S17. Ans.(b)

Sol. Cohesive force are the intermolecular forces. Which cause a tendency in liquids to resist separation. These attractive forces exist between molecules of the same substance.

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 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.

S19. Ans.(d)

Sol. One large hard boiled egg contains 77 calories. Eating one hard boiled egg provides 4 percent of your daily caloric needs based on a 2,000- calorie diet.

S20. Ans.(c)

Sol. The escape velocity from earth is about 11.186 km/s at the surface.

S21. Ans.(d)

Sol. First decrease than Increases, because moving from group 1 , group 1 elements is highly reactive in nature, and moving from left to right the reactivity of elements decreases.

But , group 18 is highly reactive, and that's why firstly reactivity decreases and then increase.

S22. Ans.(c)

Sol.

- Force = $m \times a$.
- If the mass of a body is reduced to half with constant acceleration than , in equation put $m = a/2$,
- By this we found that if mass becomes half then, we need to apply half force to move that body of mass $m/2$ as compared to body of mass m .

S23. Ans.(c)

Sol.

- It was George Lemaitre (1927) who proposed a theory called Big Bang theory in the context of the origin of the universe.
- His theory was based on Albert Einstein's famous general theory of relativism.

S24. Ans.(a)

Sol. A Rectifier is an electronic device that converts an alternating current into a Direct current by using one or more P-N junction diodes.

S25. Ans.(b)

Sol.

- Jaw is a set of bones that holds your teeth , it consists of two main parts.
- The upper part is the maxilla. It doesn't move.
- The moveable lower part is called the Mandible.

S26. Ans.(a)

Sol. The most common Actinide is thorium and all actinides are radioactive and release energy upon radioactive decay.

S27. Ans.(c)

Sol. Betel vine has a clinging root.

S28. Ans.(a)

Sol.

- In CGS the unit of force is Dyne.
- In SI method the unit of force is called Newton.

S29. Ans.(b)

Sol. Santalum is a root parasite.

S30. Ans.(d)

Sol. The highest oxidation state shown by transition elements is eight and the element which shows +8 oxidation state are Ruthenium (Ru) and Os(osmium).



TEST SERIES
BILINGUAL



SSC CGL 2020-21
PRIME

500+ TOTAL TESTS