

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

S1. Ans.(d)

Sol.

- In Translatory motion, all points of a body moves with the uniform velocity, in same line and the direction.

S2. Ans.(b)

Sol.

- The turning effect of a force on an object is known as Torque.
- Larger force will result into the larger Torque.

S3. Ans.(b)

Sol.

- The mass of an object is the constant it does not change Unless it gains or loses matter.

S4. Ans.(a)

Sol.

- Lower the boiling point higher is the volatility.
- Alcohol has boiling point 78 degree Celsius, whereas boiling point of water is 100 degree Celsius.

S5. Ans.(a)

Sol.

- The density of the Cream is lesser than the density of the milk.
- So , when Cream is removed from the milk, it's density will increase.

S6. Ans.(b)

Sol.

- Due to the capillary action, water from the soil enters into the root hairs.

S7. Ans.(a)

Sol.

- An object will not submerge in the water.
- It will displace an amount of the water equal to it's volume.

S8. Ans.(b)

Sol.

- parsec is a unit of length which is used in astronomy to measure the distance between astronomical objects.

S9. Ans.(d)

Sol.

- A seconds pendulum is a pendulum whose time period is 2 sec.
- One second for swing in one direction and one second for the return Swing.



S10. Ans.(a)

Sol.

- Pitch of the sound depends upon frequency of the sound.
- The higher the frequency, the higher the pitch will be.

S11. Ans.(a)

Sol.

- Best absorber:----- Black and rough surface.

S12. Ans.(a)

Sol.

- Non- luminous zone is the hottest part of the gas flame.
- It is the outermost part of the gas flame and hence complete combustion takes place here.

S13. Ans.(a)

Sol.

- Convection:---- it is the process of the heat transfer in a gas or liquid by circulation of the currents downwards to upwards.

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.(a)

Sol.

- Matter waves are de- broglie waves.
- Matter waves are the waves which show dual nature.
- They behave like the particle and travel like waves.

S16. Ans.(a)

Sol.

- Documents that are authentic, will grow when illuminated by the ultraviolet radiation.

S17. Ans.(c)

Sol.

- Telescopes has lenses of the long focal length and microscope has lenses of the short focal length.

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.

- Laser is the coherent, monochromatic unidirectional beam of light.

S20. Ans.(a)

Sol.

- When Blue colour and green colour are mixed, then the result is cyan colour.

S21. Ans.(c)

Sol.

- Activated carbon is also called activated due to it's high degree of micro- porosity.
- It acts as an adsorbent.

S22. Ans.(b)

Sol.

- Fire fighting clothes are made from asbestos because it has heat resistant property.

S23. Ans.(d)

Sol.

- The common name of the sulphur is brimstone.

S24. Ans.(a)

Sol.

- Due to presence of lactic acid in milk. Lactic acid is weak acid so , it's PH value is less than 7 or slightly acidic.

S25. Ans.(a)

Sol.

- Hydrogen is the best fuel in terms of the energy released per gram of fuel.

S26. Ans.(d)

Sol.

- Distillation method is used commonly to purify the sea water.

S27. Ans.(d)

Sol.

- Main constituent of Biogas is the methane.
- OR
- Gobar gas mainly contains the methane.

S28. Ans.(a)

Sol.

- Car and other automobiles exhaust mainly contains CO, lead, and SO₂ and out of these CO is the most toxic.

S29. Ans.(a)

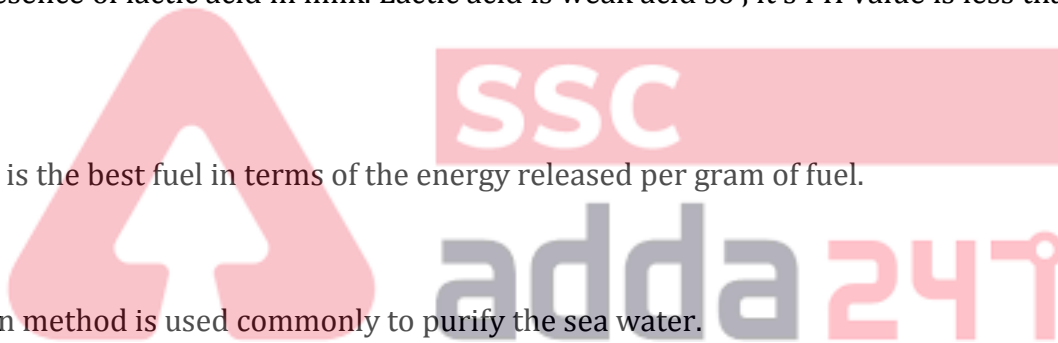
Sol.

- Galvanization is a process in which coating of zinc on iron metal is done to prevent iron from rusting.

S30. Ans.(d)

Sol.

- Osmium is the heaviest element in the periodic table as it has the highest density.



ENGLISH



SSC CGL

TIER-I / PRE E-KIT

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