

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

S1. Ans.(b)

Sol. Stomata are small opening or pore present in the epidermis of leaves and other organs of the plant that help in gas exchange.

S2. Ans.(c)

Sol.

- Plant cell wall is composed of cellulose. It is a tough organic polysaccharide compound.
- Cellulose cell wall helps to provide structural and mechanical support.

S3. Ans.(a)

Sol. AIDS virus destroys the T. Lymphocytes belong to a group of white blood cells known as lymphocytes that play a central role in cell - mediated immunity.

S4. Ans.(a)

Sol. All viruses contain the following two components Nucleic acid genome and a protein capsid that covers the genome this is called as Nucleocapsid.

S5. Ans.(a)

Sol. Early blight of potato is a disease caused by fungus, alternaria solani. It results in the reduction of tuber yield.

S6. Ans.(c)

Sol. Mycology is the study of fungus including their genetic and biochemical properties. Pier Antonio micheli is known as the father of the modern Mycology.

S7. Ans.(a)

Sol. False fruit are those fruit which are not developed from ovary. Here apple is developed by thalamus. So it is considered as the false fruit.

S8. Ans.(a)

Sol. oxygen liberate after the splitting of water molecule into hydrogen and oxygen. In the photosynthesis this liberate oxygen in atmosphere.



S9. Ans.(d)

Sol. Glucose and fructose are primary unit of sugar and gets converted to alcohol by the process of fermentation. Enzyme Zymase helps in the process of conversion.

S10. Ans.(a)

Sol. Exhaled air contains 4% carbon dioxide, produced as a waste product of energy production, while the inhaled air contains 0.04% carbon dioxide.

S11. Ans.(c)

Sol.

- Atomic number is the number of protons present in nucleus of an atom.
- It is represented by Z.

S12. Ans.(b)

Sol.

- In nuclear reactor neutrons are slowdown by the moderator.
- The most commonly used moderators are the ordinary water and Graphite.

S13. Ans.(c)

Sol. Aluminium oxide is an Amphoteric oxide. Because it behaves as an acid in the presence of the base and behaves as the base in the presence of an acid.

S14. Ans.(d)

Sol.

- Solid carbon dioxide is known as Dry ice.
- Dry ice shows sublimation.
- It is used for making cold baths, used as coolant for preserving perishable articles in food industry.

S15. Ans.(d)

Sol. Denatured spirit or denatured alcohol is commercial ethyl alcohol to which small amounts of very poisonous substances like Pyridine or Methyl alcohol has been added.

S16. Ans.(a)

Sol.

- Methyl alcohol or, methanol is known as the wood spirit.
- It is also known as wood alcohol because it was formerly obtained by the destructive distillation of wood.

S17. Ans.(c)

Sol.

- $Kmno_4$ can be used as a disinfectant.
- It is used to purify well water.
- It is commonly known as Red Medicine or Lal Dawa.

S18. Ans.(d)

Sol. Fabric made from polyester doesn't get wrinkled easily because it has high wrinkle resistant.

S19. Ans.(c)

Sol. Salt is obtained by the evaporation of seawater as seawater contains sodium chloride, magnesium chloride etc.

S20. Ans.(d)

Sol. Atomic explosion is triggered by uncontrolled chain reaction.

S21. Ans.(c)

Sol. Fathometer is an instrument used to determine the depth of water or a submerged object by means of ultrasound waves.

S22. Ans.(d)

Sol. A hydrophone is a microphone designed to be used underwater for recording or listening to underwater sound

S23. Ans.(b)

Sol. Sunlight is the mixture of different colours. When it passes through the atmosphere it is scattered by the air molecules, particles of dust and other subtle materials which are present in the pathway.

S24. Ans.(b)

Sol. The kinetic energy in the energy in moving objects or mass. The kinetic energy of the wind (wind energy) can be converted into electrical or mechanical energy.

S25. Ans.(d)

Sol. If a plane mirror is rotated through a certain angle, then the reflected ray rotates through twice of that angle. So if a mirror is rotated by an angle θ , the reflected ray will rotate by 2θ .

S26. Ans.(a)

Sol. Refrigerator temperatures do not destroy pathogenic or spoilage microorganisms. The lower temperature slows the growth of microorganisms already in the food. According to international standards, the recommended temperature of the refrigerator is 36°F to 38°F (1.7°C to 3.3°C). Thus option **Ans.(a)** is correct.

S27. Ans.(d)

Sol. A periscope is an instrument for observation over, around or through an object, obstacle or condition that prevents direct line-of-sight observation from an observer's current position

S28. Ans.(a)

Sol. The trapped steam increases the atmospheric pressure inside the cooker by 15 pounds per square inch (psi), or 15 pounds above normal sea-level pressure. At that pressure, the boiling point of water is increased from 212°F to 250°F. This higher temperature cooks food faster.

S29. Ans.(c)

Sol. Adhesive forces are the attractive forces between unlike molecules.

S30. Ans.(a)

Sol. Sonography or ultrasonography is an important mean of clinical diagnosis. It is a diagnostic imaging technique based on the application of ultrasound. It is widely used in the field of medical science. It is mainly used to provide a variety of information about the health of the mother during pregnancy, and the health and development of embryo or foetus.

ENGLISH 

SSC CGL

TIER-I / PRE E-KIT

Ace - Advanced | Arithmetic | English
Reasoning | General Awareness

Validity : 6 Months

