

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

- S1. Ans.(c)
S2. Ans.(a)
S3. Ans.(b)
S4. Ans.(a)
S5. Ans.(a)
S6. Ans.(c)
S7. Ans.(c)
S8. Ans.(b)
S9. Ans.(b)
S10. Ans.(a)

S11. Ans.(a)

Sol.

- Tendons are the types of fibrous connective tissues.
- Tendons connects the muscle to bones.
- Tendons are made up of collagen.

S12. Ans.(a)

Sol.

- Teeth and bones are made of calcium and phosphorus.
- Calcium provides the strengthening and rigidity to teeth and bones.
- Vitamin D helps in absorption of calcium.

S13. Ans.(a)

Sol. Wings of a bird's and insects have the coating of Waxes , which helps in resistance of water and easy flight of bird's and insects.

S14. Ans.(b)

Sol.

- Deficiency of vitamin B3 or niacin cause the disease Pellagra.
- Pellagra disease inflamed the skin causes dementia.
- The main source of vitamin B3 are meat, fish , egg , vegetable , and nuts.

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S15. Ans.(a)

Sol.

- Kidney by the mechanism of ultrafiltration , reabsorption and osmosis maintains the concentration of water and salts.
- Kidney excrete the excess water , fat , and catabolic wastes.

S16. Ans.(c)

Sol. Azithromycin is an antibiotic drug used to treat bacterial infection including pneumonia , diarrhoea , typhoid.

S17. Ans.(d)

Sol.

- There are total 4 canine teeth present in adult human.
- Canine helps in tearing the food.

S18. Ans.(b)

Sol.

- Excretion is the process in living organisms which eliminate the waste matter.
- Kidney is an excretory organ of the mammals which remove excess and unnecessary material from the body fluids.

S19. Sol.(b)

Sol.

- IAN DONALD discovered diagnostic ultrasound.
- Ultrasound helps to view the internal body structure such as joints , vessels , and internal organs.

S20. Ans.(a)

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

S21. Ans.(d)

Sol. Several other planets in our Solar System have rings. It's just that, unlike Saturn, their systems are less visible.

S22. Ans.(a)

Sol. An AC generator produces alternating power. A DC generator produces direct power. Both of these generators produce electrical power, based on same fundamental principle of Faraday's law of electromagnetic induction.

S23. Ans.(a)

S24. Ans.(a)

Sol. Bakelite is based on a chemical combination of phenol and formaldehyde (phenol-formaldehyde resin)

S25. Ans.(c)

Sol. An integrated circuit or monolithic integrated circuit (also referred to as an IC, a chip, or a microchip) is a set of electronic circuits on one small flat piece (or "chip") of semiconductor material, normally silicon.

S26. Ans.(a)

Sol. Red blood cells (RBCs) take up oxygen in the lungs or gills and release it into tissues while squeezing through the body's capillaries. The cytoplasm of erythrocytes is rich in hemoglobin, an iron-containing biomolecule that can bind oxygen and is responsible for the red color of the cells.

S27. Ans.(c)

Sol. Rennin enzymes play an important role in helping young mammals to digest milk. Rennin enzymes are produced by the stomach cell.

S28. Ans.(c)

Sol. Amino acids are required for the synthesis of body protein and other important nitrogen-containing compounds. Amino acids are constituents of protein and act as precursors for many co-enzymes, hormones, nucleic acid, etc.

S29. Ans.(b)

Sol. The convex mirror produces an upright image of any object and offers a wide viewing area as compared to the plane mirror. The usage of this type of mirror can be perceived on the car rear-view mirror.

S30. Ans.(a)

Sol. Ringworm of the skin (tinea corporis) is most commonly caused by the fungus *Trichophyton rubrum*, which spreads from one person to another.

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