

General Science Mega Quiz for SSC and RRB NTPC (Solutions)

S1. Ans.(d)

Sol. A homologous structure is an organ, system, or body part that shares a common ancestry in multiple organisms. Limbs of frog, lizard, bird and human are example of Homologous organs.

S2. Ans.(a)

Sol. Pepsin is an endopeptidase that breaks down proteins into smaller peptides (protease). It is produced in the stomach and is one of the main digestive enzymes in the digestive systems of humans and many other animals, where it helps digest the proteins in food.

S3. Ans.(d)

Sol. Ornithophily or bird pollination is the pollination of flowering plants by birds.

S4. Ans.(c)

Sol. The pupil is the opening in the center of the iris where light enters the eye. When looking at the eye, the pupil appears black. The iris opens and closes to control the amount of light entering the eye through the pupil.

S5. Ans.(b)

Sol. The white blood cells provide immunity to our body. They help in fighting against diseases, infections, allergies and foreign particles. These cells keep our body safe and healthy, much like the soldiers of a nation.

S6. Ans.(c)

Sol. Ecology – Study of interrelationship between organisms and environment.

Genetics – Study of heredity and variation.

Demography – statistical study of populations including human beings.

Virology – Study of viruses.

S7. Ans.(c)

Sol. Apiculture – Rearing bees

Horticulture – Study of fruit and flower producing plants

Sericulture – Rearing silk worm

Floriculture – Study of flowers for decoration work



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S8. Ans.(d)

Sol. Olericulture is the science of vegetable growing, dealing with the culture of non-woody (herbaceous) plants for food.

S9. Ans.(d)

Sol. Visible light is that part of electromagnetic radiation which can be seen by human eyes. A normal human eye can see the electromagnetic radiation between 390–780 nm of wavelength.

S10. Ans.(b)

Sol. Longitudinal waves in which the particles of the medium vibrate in a direction parallel to the direction of propagation of the waves.

S11. Ans.(d)

Sol. A capillary is a small blood vessel from 5 to 10 micrometres (μm) in diameter, and having a wall one endothelial cell thick. They are the smallest blood vessels in the body: they convey blood between the arterioles and venules.

S12. Ans.(d)

Sol. Alimentary canal is the whole passage along which food passes through the body from mouth to anus during digestion.

S13. Ans.(d)

Sol. The fungal cell wall is composed of chitin, glucans, polysaccharides and mucopolysaccharides, waxes, and pigments.

S14. Ans.(d)

Sol. The chemical process of interaction between neurons and between neurons and effector cells occur at the end of the axon, in a structure called synapse.

S15. Ans.(b)

Sol. The Small Intestine is the largest and longest part of the alimentary canal.

S16. Ans.(d)

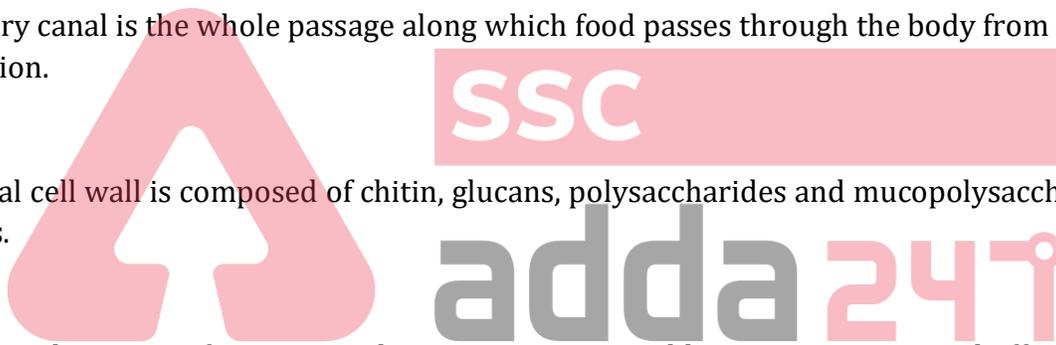
Sol. The neon gas is used in discharge lamps, tubes and in fluorescent bulbs.

S17. Ans.(b)

Sol. According to Archimede's principle when a body is immersed fully or partially in a liquid, it experiences an upward force that is equal to the weight of the fluid displaced by it therefore the mass of water displaced is equal to the mass of the ship.

S18. Ans.(c)

Sol. Most remote controls of a television receiver send signals using Infra-red radiation.



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S19. Ans.(b)

Sol. Benzene was first discovered by the English scientist Michael Faraday in 1825

S20. Ans.(b)

Sol. Glycol is an organic compound with the formula $(CH_2OH)_2$. It is used to prevent freezing of fuel in space crafts.

S21. Ans.(d)

Sol. Benoit Fourneyron is the Inventor of Water Turbine.

S22. Ans.(c)

Sol. The Intensity of waves is defined as the power delivered per unit area of a Wave.

S23. Ans.(d)

Sol. PlayStation was the brainchild of Ken Kutaragi, a Sony executive who had just finished managing one of the company's hardware engineering divisions at that time and would later be dubbed as "The Father of the PlayStation".

S24. Ans.(a)

Sol. Lucimeter is an instrument used for measuring light intensity.

S25. Ans.(b)

Sol. The absorption of ink by blotting paper involves Capillary action phenomenon.

S26. Ans.(c)

Sol. Georges Claude invented Neon Lamp.

S27. Ans.(a)

Sol. The organs which have different basic structure and origin but are similar in their appearance and functioning, are called analogous organs.

S28. Ans.(a)

Sol. A mushroom, or toadstool, is the fleshy, spore-bearing fruiting body of a fungus, typically produced above ground on soil or on its food source. It is NOT an example of organism that takes in whole food material and breaks it down inside its body.

S29. Ans.(c)

Sol. Bird and bat wings are analogous that is, they have separate evolutionary origins, but are superficially similar because they have both experienced natural selection that shaped them to play a key role in flight.

S30. Ans.(b)

Sol. Carbon dioxide is NOT a waste material removed from blood in the kidney.

