

## 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.** Saponification is a process that produces soap. In chemistry, soaps are sodium or potassium salts of higher fatty acids like stearic acid, palmitic acid, oleic acid etc.

S12. Ans.(d)

**Sol.**

- Radioactive elements emit alpha beta and gamma radiations.
- Emission of gamma radiation takes place after emission of alpha and beta radiations.

S13. Ans.(b)

**Sol.** Glucose is a type of Hexose sugar.


S14. Ans.(b)

**Sol.**

- Sewage treatment involves three stages.
- Sludge is a semi-solid residue produced in first step during treatment of sewage and waste water.

S15. Ans.(b)

**Sol.** A colloidal sol of sulphur is obtained by bubbling  $H_2S$  through the solution of bromine water. Sulphur dioxide etc.



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**S16. Ans.(b)**

**Sol.**

- Radium=Ra.
- Radon=Rn.
- Rhenium=Rh.
- Ruthenium=Ru.

**S17. Ans.(c)**

**Sol.**

- Conversion of water into steam is a physical change. Because, it is a physical change and it is a reversible process.
- So, Water can be obtained again from the steam.

**S18. Ans.(c)**

**Sol.**

- Calcium carbide is used to ripe mangoes artificially.
- Calcium carbide produce acetylene gas which acts as the natural ripening agent.

**S19. Ans.(c)**

**Sol.** Oxygen, nitrogen , and hydrogen are colourless gases.while, chlorine is a greenish yellow coloured gas.

**S20. Ans.(d)**

**Sol.** Firewood is not a commercial source of energy.

**S21. Ans.(b)**

**Sol.**

- An onion has a modified form of stem called as bulb, stem is enclosed by a covering of leaves which is underground.
- Nutrients for the plant are stored in the bulb.

**S22. Ans.(d)**

**Sol.** Recycling is one of the best solutions to get rid of non-biodegradable waste because, non-biodegradable substances can not be degraded in environment by natural process.

**S23. Ans.(d)**

**Sol.**

- Dietary fibres is an important constituent required by body.
- Dietary fibres is a type of carbohydrates present in cereals , fruits, vegetables, dried peas , nuts.

**S24. 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.

**S25. Ans.(c)**

**Sol.**

- Amoeba digests it's food in food vacuole.
- The mode of nutrition in Amoeba is holozoic , where it ingest complete food and digest after obtaining from food vacuole.

**S26. Ans.(c)**

**Sol.** Betel vine has a clinging root.

**S27. Ans.(d)**

**Sol.**

- Heart is the most active organ in the body, which never rests throughout the life of human. the first impulse is generated by SA node which results in the contraction and relaxation of cardiac muscle.
- Heart beats about 3mn times in a lifetime.

**S28. Ans.(b)**

**Sol.** Santalum is a root parasite.

**S29. Ans.(d)**

**Sol.**

- Thrombocytes or platelets are one of the three blood platelets. Thrombocytes are the blood clotting platelets, which releases coagulation factor.
- Platelets are derived from the megakaryocytes of the bone marrow.

**S30. Ans.(c)**

**Sol.**

- Wisdom teeth are officially known as third molar teeth, which erupted between the age of 17-25 year's.
- When the person gains maturity and wisdom.

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