

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)

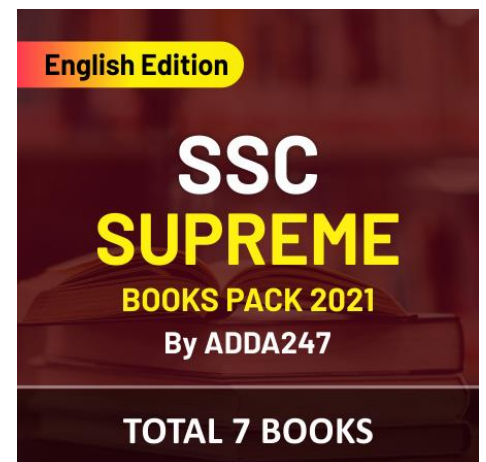
Sol. False fruit are those fruit which are not developed from ovary. Here apple is developed by thalamus. So it is considered as the false fruit.

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.(a)

Sol. The gravity of our earth holds the atmosphere in its place.

S12. Ans.(a)

Sol. Centre of gravity is defined as a point at which the entire weight of a body is concentrated.

S13. Ans.(b)

Sol. Power is defined as the rate of work done by the body.

S14. Ans.(c)

Sol. Rectifier is a device which is used to convert alternating current into direct current.

S15. Ans.(d)

Sol.

- Capacitance is Used in a circuit to block the DC current.
- It has the ability to Store electrical energy.

S16. Ans.(b)

Sol.

- The s.i. unit of the capacitance is Farad.
- It is named after English physicist Michael Faraday.

S17. Ans.(c)

Sol.

- The full form of IC in electronics is integrated circuit.
- It is also called as chip or microchip.
- It contains resistors, capacitors, and transistors etc.

S18. Ans.(b)

Sol. It refers to the number of decays per second from a sample of radioactive nuclide and is measured in Becquerel.

S19. 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.

S20. Ans.(a)

Sol.

- In 1881, Alfred P. Southwick invented electric chair.
- Electric chair is used in USA as an option for execution.

S21. Ans.(b)

Sol. The visible region lies in the wavelength range of 3900A-7600A.

S22. Ans.(a)

Sol. The centigrade scale was invented by Swedish astronomer Anders Celsius.

S23. Ans.(a)

Sol. Therm is the non SI unit of heat, Just as Celsius and Fahrenheit are of the temperature.

S24. Ans.(b)

Sol. The S.I. unit of the temperature is Kelvin(K).

S25. Ans.(d)

Sol.

- Capacitance is Used in a circuit to block the DC current.
- It has the ability to Store electrical energy.

S26. Ans.(a)

Sol.

- Gas molecules have larger coefficient of expansion than liquid.
- Hence for a small amount of heat, they show greater volatility.

S27. Ans.(b)

Sol. Cryogenics is the branch of physics which deals with the production of materials at very low temperature.

S28. Ans.(a)

Sol. The colour of the Star depends on it's surface temperature, as at dry temperature star's emit frequencies of different colours.

S29. Ans.(a)

Sol. Wind and ocean currents are example of convection currents.

S30. Ans.(d)

Sol. Geothermal energy is the heat generated and stored inside the Earth's surface.



ENGLISH



SSC CGL

TIER-I / PRE E-KIT

Ace - Advanced | Arithmetic | English
Reasoning | General Awareness

Validity : 6 Months