



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

S1. Ans.(b)

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

S2. Ans.(c)

Sol. At 373 k temperature water converts into the water vapour.

S3. Ans.(b)

Sol. In frequency modulation, the frequency of the signal is varied whereas amplitude is kept the constant.

S4. Ans.(a)

Sol. A Rectifier is an electronic device that converts an alternating current into a. Direct current by using one or more P-N junction diodes.

S5. Ans.(d)

Sol.

- Rads refer to the radiation absorbed doses.
- It is the amount of the energy carried by the radiation that gets absorbed by the body tissues.

S6. Ans.(b)

Sol.

- Fluorescent tube emits ultraviolet radiation.
- Due to this fluorescent tubes cause various health risk to the human's.

S7. Ans.(a)

Sol. Documents that are authentic, will glow when illuminated by the ultraviolet radiation.

S8. Ans.(c)

Sol.

- A magnifying glass is a convex lens.
- It produces a magnified image of an object.

S9. Ans.(d)

Sol.

- Beam balance works on the principle of the moments.
- When Torque on both the arm's is balanced it comes to an stable State.

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S10. Ans.(a)

Sol.

- Concave mirrors form magnified image.
- Due to this, concave mirrors are used in the head mirror of the ENT specialists.

S11. Ans.(c)

Sol.

- Malic acid is found in the apple's.
- It is used as the acidulant in the soft drinks and food stuffs.
- It is also used as the remedy for the sore throat.

S12. Ans.(a)

Sol. Oxalic acid is present as the potassium hydrogen oxalate in the tomatoes and the spinach.

S13. Ans.(a)

Sol.

- Vegetable oils are converted into vegetable ghee, when vegetable oil are reacted with hydrogen gas in the presence of catalyst Ni/Of.
- This process is known as Hydrogenation.

S14. Ans.(c)

Sol. Oxalic acid is used to remove iron rust stains and clothes.

S15. Ans.(b)

Sol.

- Gold is found in the free State in the nature.
- Gold , platinum, are the noble metals.

S16. Ans.(a)

Sol.

- Molybdenite is a principle source of the molybdenum.
- It is a sulphide mineral.

S17. Ans.(d)

Sol. Chromite is an iron chromium oxide.

S18. Ans.(a)

Sol.

- Steel contains around the 98.9% of Iron and 0.1to 1.5% of carbon.
- It is used for making the blade, knife , utensils etc.

S19. Ans.(b)

Sol. Pyrolusite is an ore of the Manganese.

S20. Ans.(c)

Sol.

Teflon represents polytetrafluoro ethylene.

It is a polymer of tetrafluoro ethylene. It is used for making nonstick cooking utensils.

S21. Ans.(a)

Sol. *Equus asinus* is the scientific name of the donkey.

Family:----Equidae , order – perissodactyla.

S22. Ans.(d)

Sol. Haematopoiesis is the process of the blood cell formation.

These are known as the pluripotent stem cells , which can replicate themselves and differentiated into the different platelets.

S23. Ans.(b)

Sol. Gregor John Mendel is known as the father of the Genetics.

S24. Ans.(a)

Sol. When one gene hides or masks the effect of the other unit , the phenomenon is referred as the Epistasis.

S25. Ans.(d)

Sol. Spleen is not an endocrine gland, spleen is an abdominal organ which involved in the production and removal of the blood cells and forms the part of the Immune system.

S26. Ans.(a)

Sol. Diabetes mellitus is a condition of high blood sugar level.

Insulin secreted from Beta cells of pancreas which controls the blood sugar level.

S27. Ans.(c)

Sol. Molars are the three posterior most teeth present in jaw of 3-4 year's child.

Molars help in chewing and mastication of food.

S28. Ans.(a)

Sol. Pleural membrane is an fluid filled with double layered wall.

It protects the lungs during the exhalation and inhalation in respiration.

S29. Ans.(c)

Sol. Sir Alexander Fleming is the discoveror of penicillin.

S30. Ans.(c)

Sol. Swimbladder on the air bladder are absent in the cartilagenous fishes.

These fishes are mostly found in the benthic region's of thr the water bodies.

