

# 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.

- Flourescent tube emits ultraviolet radiation.
- Due to this flourescent 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.



## 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 0.1 to 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.** Equis 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 secreated 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 mastigatiom 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.

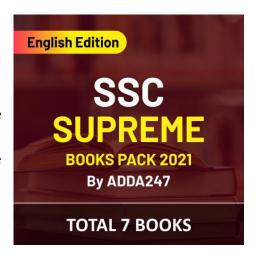
# S29. Ans.(c)

**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.





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