

## General Science Mega Quiz for RRB NTPC

**Q1. Which of the following subjects of data set is associated with the study of concerning population and humanity?**

- (a) Ecology
- (b) Genetics
- (c) Demography
- (d) Virology

**Q2. Rearing silk worms is known as -**

- (a) Apiculture
- (b) Horticulture
- (c) Sericulture
- (d) Floriculture

**Q3. The study related to the plants being used as vegetable is called -**

- (a) Floriculture
- (b) Pomology
- (c) Horticulture
- (d) Olericulture

**Q4. In atom, neutron was discovered by:**

- (a) J. J. Thomson
- (b) Chadwick
- (c) Rutherford
- (d) Newton

**Q5. Which of the following statements is CORRECT?**

- (a) NaCl has same equivalent weight and molecular weight.
- (b)  $H^2SO_4$  has same equivalent weight and molecular weight.
- (c)  $CaCl^2$  has same equivalent weight and molecular weight.
- (d)  $Na^2SO_4$  has same equivalent weight and molecular weight

**Q6. A device G.M counter is used for the measurement of which of the following?**

- (a) Speed of air
- (b) Mass number
- (c) Radioactivity
- (d) Valence

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**Q7. Blue Vitriol is another name for which of the following?**

- (a) Copper Sulphate
- (b) Sodium Chloride
- (c) Cupric oxide
- (d) Magnesium Oxide

**Q8. One pikogram is equal to-**

- (a)  $10^{-6}$  gram
- (b)  $10^{-9}$  gram
- (c)  $10^{-12}$  gram
- (d)  $10^{-15}$  gram

**Q9. Energy conservation means-**

- (a) Generation and destruction of energy
- (b) Energy could be created
- (c) Energy could not be created but destroyed
- (d) Energy can neither be created nor destroyed

**Q10. If a person sitting in a lift then when will he feel that his weight gets increased?**

- (a) When the elevator going upward expeditiously
- (b) When the elevator going down expeditiously.
- (c) Going upward with constant velocity.
- (d) Going downward with constant velocity.

**Q11. Limbs of frog, lizard, bird and human are example of \_\_\_\_ organs.**

- (a) Homogenous
- (b) Heterogeneous
- (c) Analogous
- (d) Homologous

**Q12. Pepsin is an enzyme that digests \_\_\_\_.**

- (a) Proteins
- (b) Starch
- (c) Carbohydrate
- (d) Fats

**Q13. Lymph carries digested and absorbed fat from \_\_\_\_.**

- (a) Lungs
- (b) Intestine
- (c) Stomach
- (d) Kidney

**Q14. Photosynthesis fulfills which of the following requirements of the autotrophic organisms?**

- I. Carbon
  - II. Water
  - III. Energy
- (a) Only I  
(b) Only III  
(c) I and III  
(d) All I, II and III

**Q15. The maintenance functions of living organisms are performed by the \_\_\_\_.**

- (a) Chemical processes  
(b) Life processes  
(c) Physical processes  
(d) No option is correct.

**Q16. Which of the following may cause the breakdown of pyruvate into lactic acid in our muscles?**

- (a) Lack of water  
(b) Lack of Oxygen  
(c) Lack of carbon dioxide  
(d) Lack of nitrogen

**Q17. \_\_\_\_\_ is the source of energy and materials in human beings.**

- (a) Water  
(b) Sunlight  
(c) Food  
(d) Gas

**Q18. Washing soda is used \_\_\_\_.**

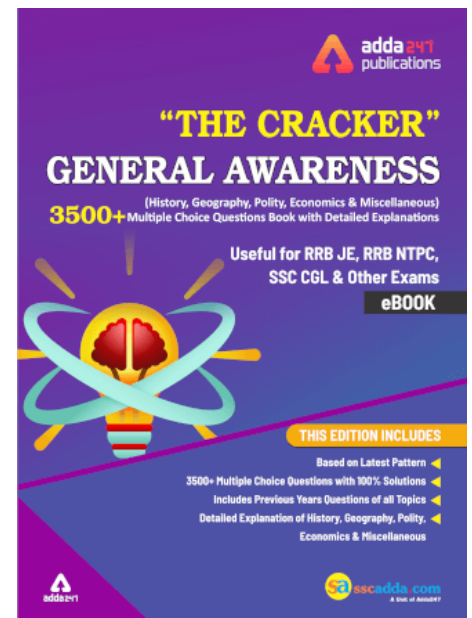
- I. for removing permanent hardness of water
- II. for disinfecting drinking water
- III. as a cleaning agent for domestic purpose

- (a) Only I and II  
(b) Only I and III  
(c) Only II and III  
(d) All I, II and III

**Q19. Which among the following statements are TRUE regarding synthetic fibre?**

- I. They melt after catching fire.
- II. They are more durable.
- III. They are prepared by a number of processes using petrochemicals.

- (a) Only I and II  
(b) Only I and III  
(c) Only II and III  
(d) All I, II and III



**Q20. The impression of an image persists on the retina for about \_\_\_\_\_ of a second.**

- (a) 1/10th
- (b) 1/8th
- (c) 1/16th
- (d) 1/5th

**Q21. \_\_\_\_\_ of a wave is the rate of transfer of energy per unit area perpendicular to the direction of travel of the wave.**

- (a) Interference
- (b) Rectification
- (c) Intensity
- (d) Diffraction

**Q22. Instrument for measuring light intensity is called**

- (a) Lucimeter
- (b) Cryometer
- (c) Cyanometer
- (d) Barometer

**Q23. Electric motors operating at low voltages tend to burn out because-**

- (a) They draw more current which is inversely proportional to the voltage.
- (b) They draw more current which is inversely proportional to the square root of the voltage.
- (c) They draw heat proportional to  $V^2$ .
- (d) Low voltage sets in electrical discharge.

**Q24. A parachute descends slowly whereas a stone dropped from the same height falls rapidly, because -**

- (a) Stone is heavier than parachute
- (b) Special mechanisms are present in parachute
- (c) A parachute has a larger surface area and air resistance is more
- (d) None of the above

**Q25. A vast collection of stars held together by mutual gravitation is called**

- (a) A galaxy
- (b) Universe
- (c) Constellations
- (d) Nebula

**Q26. In which part of the human body fat is completely digested?**

- (a) Small Intestine
- (b) Liver
- (c) Stomach
- (d) Large Intestine

**Q27. According to Dalton's Atomic Theory, the smallest indivisible particles of matter is called \_\_\_\_\_.**

- (a) Molecule
- (b) Atom
- (c) Compound
- (d) Element

**Q28. Polycot is a mixture of which among the following?**

- (a) Polyester and cotton
- (b) Polyester and wool
- (c) Rayon and cotton
- (d) Rayon and wool

**Q29. Which of the following is an example of thermoplastics?**

- (a) Bakelite
- (b) Melamine
- (c) PVC
- (d) No option is correct.

**Q30. Which of the following group does NOT follow Newlands Law of Octaves?**

- (a) Li, Na
- (b) Be, Mg
- (c) C, Si
- (d) Mn, Hg

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