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Q1. Buckminster Fullerene is

- a) None of the above
 - b) A form of carbon compound of clusters of 60 carbon atoms bond together in polyhedral structure composed of pentagons or hexagons
 - c) A polymer of fluorine
 - d) An isotope of carbon heavier than C14
-

Q2. Chemically Dry Ice is

- a) Solid carbon dioxide
 - b) Solid sulphur
 - c) Ice made from distilled water
 - d) Mixture of ice and common salt
-

Q3. Percentage amount (by volume) of which one of the following gas is lowest in the atmosphere?

- a) Carbon dioxide
 - b) Nitrogen
 - c) Argon
 - d) Oxygen
-

Q4. Which lubricant is used for heavy machines?

- a) Silicon oil

- b) Bauxite
- c) Phosphorus
- d) Graphite

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Q5. Consider these statements and choose the right answer from counterfeit.

Statement (A):

Normally it has been seen that iron goods covered with a brown powder called rust when they are unsheltered in the atmosphere.

Statement (R):

Rust or the brown powder is the result of deposition Tannin.

Code

- a) (A) is false, but (R) is true
- b) (A) is true, but (R) is false
- c) Both (A) and (R) are true and (R) is the correct explanation of (A)
- d) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

Q6. The important metal used with iron to make it rust free

- a) Tin
- b) Chromium
- c) Aluminium
- d) Carbon

Q7. Which one of the following metals does not form amalgam?

- a) Iron
- b) Magnesium
- c) Zinc

d) Copper

Q8. Burning of Hydrogen produces

a) Water

b) Soil

c) Oxygen

d) Ash

Q9. What is the shape of sulphur hexafluoride molecule?

a) Octahedral

b) Planar

c) Trigonal pyramid

d) Tetrahedral

Q10. Which metal exists as a common component in Brass, Bronze and German Silver?

a) Zinc

b) Tin

c) Antimony

d) Copper

Q11. Which gas is not in the gaseous cycle?

a) O_2

b) Carbon

c) N_2

d) H_2

Q12. Consider the following statements and select the correct answer from given codes below.

- Water becomes harder due to the presence of Calcium Sulphate and it is not usable.
- Diamond is harder than copper and iron.
- Oxygen is the main component of air.
- Nitrogen is used in the manufacture of vegetable ghee.

Code

- a) 2 and 4
- b) 1 and 2
- c) 3 and 4
- d) 1 and 3

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Q13. Large quantities of drinking water is prepared from impure water by

- a) Decantation
- b) Ion-exchange
- c) Desalination
- d) Distillation

Q14. Water is a good solvent of ionic salts because

- a) It has no colour
- b) It has a high specific heat
- c) It has a high boiling point
- d) It has a high dipole moment

Q15. By which process, Alum cleans the muddy water?

- a) Dialysis
- b) Coagulation
- c) Absorption
- d) Adsorption

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Answers to the above questions :

Q1. Answer: (b)

Q2. Answer: (a)

Q3. Answer: (a)

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Q4. Answer: (d)

Q5. Answer: (b)

Q6. Answer: (b)

Q7. Answer: (a)

Q8. Answer: (a)

Q9. Answer: (a)

Q10. Answer: (d)

Q11. Answer: (d)

Q12. Answer: (b)

Q13. Answer: (c)

Q14. Answer: (d)

Q15. Answer: (b)

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