

Multiple Choice Questions:

Q1. Which of the following will convert Fe^{2+} to Fe^{3+} ?

- [H]
 KMnO_4
 H_2O_2
 $\text{K}_2\text{Cr}_2\text{O}_7$

Q2. Isotopes of an element have different

- Atomic Number
 Number of Neutrons
 Electron and Neutrons
 Electron and Proton

Q3. The physical association of water with ions is called;

- Salvation
Hydration
 Hydrolysis
 Hydrogenation

Q4. Deuterium reacts with oxygen to form

- Hard Water
Heavy Water
 Soft Water
 Water Gas

Q5. Which of the following is not an allotrope of carbon?

- Diamond
 Graphite
 Bucky Balls
Methane Gas

Q6. The atmosphere around the earth is divided into

- two layers
four layers
 three layers
 five layers

Q7. The boiling point of sulphur is;

- 410°C
 415°C
 444°C
 450°C

Q8. Soda water contains;

- Oxygen gas
 Carbon monoxide
carbon dioxide gas
 hydrochloric acid

Q9. In the structure of diamond each carbon atom is covalently bonded to how many other carbon atoms?

- 2
 3
 5
4

Q10. Chemical name of bleaching powder is;

- Calcium oxychloride**
 Calcium dioxychloride
 magnesium oxychloride
 zinc oxide

Q11. Colour of silver iodide is

- White
Bright yellow
 Pale yellow
 Black

Q12. Minerals of iron are found in

- Kashmir
Chitral
 Multan
 Lahore

Q13. Which one is not a metal?

- Copper
Carbon
 Chromium
 Calcium

Q14. $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ is called

- Epsom salt**
 Gypsum
 Heavy spar
 Cinnabar

Q15. Chlorine reacts with carbon monoxide in the presence of sunlight to produce

- chloroform
phosgene gas
 water gas
 methane gas

Q16. In paints PBO is used as;

- Filler
 Thinner
Driving agent

Q17. In sodium hydride, hydrogen is assigned an oxidation number

- +1
 +2
 0
-1

Q18. The chemical formula of phosgene gas is

- COCl_2**
 CO_2
 COCl
 Ph_3

Q19. Oxygen present in air by volume is

- 20%
21%
 22%
 23%

Q20. No. of electrons present in the second shell nitrogen atom are

- 3
 4
 5
 6

Q21. Organic compound must contain

- Carbon**
 Nitrogen
 Halogen
 Oxygen

Q22. Vital force theory was proposed by;

- Wohler
 Dalton
Berzelius
 Bohr

Q23. Which of the following gives addition reactions?

- Methane
ethane
 ethyne
 none of these

Q24. The gas used in making chloroforms is

- Nitrogen
 Hydrogen
 Bromine
Chlorine

Q25. Open heart process is used to prepare steel of quality

- bad
 good
 poor
 normal

Q26. Thermite process was discovered by;

- Goldstein
Goldsmith
 Berzelius
 Hall

Q27. How many types of plastics are:

- 2
 3
 4
 5

Q28. On industrial state, nitric acid is prepared by reacting

- nitrogen and oxygen
ammonia and air
 ammonia nitrate and sodium chloride
 nitrogen per oxide and air

Q29. In making Formica, is used

- Acetone
 Alcohol
Bakelite
 Thinner

Q30. Special compound used in shaving soap

- Sodium chloride
 Sodium hydroxide
 Potassium chloride
potassium hydroxide

Q31. In preparation of paint, it is used as thinner

- xylol**
 barium sulphate
 polyhydroxy phenol
 gypsum

Q32. The compound which increases the weight of soap

- Sodium chloride**
 Sodium sulphate
 Sodium phosphate
 Sodium silicate

Q33. The anomalous behavior of water is explained by

- Covalent bonding
 Ionic bonding
Hydrogen bonding
 Dipole-dipole interactions

Q34. The quantity of carbon in coal varies from;

- 60-90%
 50-80%
 40-70%
 30-60%

Q35. Nitric acid is react with hydrogen sulphide and oxidizes it to form

- $\text{H}_2\text{O} + \text{NO}_2 + \text{S}$**
 $\text{N}_2\text{O}_2 + \text{NO} + \text{S}$
 $\text{H}_2\text{O} + \text{N}_2 + \text{SO}_2$
 $\text{H}_2\text{O} + \text{N} + \text{SO}_2$

Q36. Which of these is no use of sulphuric acid?

- Petroleum refining
 Electrolysis
 drying agent
making paper

Q37. The product of vegetable ghee from oils is an example of

- hydrogenations
hydration
 dehydration
 dehydrogenation

Q38. Water has the maximum density at

- 0.0°C
 100.0°C
 4.5°C
3.98°C

Q39. In super oxides, the valence number of oxygen is:

- 1
 -2
 -1/2
 +1/2

Q40. The boiling point of hydrogen chloride is;

- 90°C
 -85°C
 -98°C
 -37°C