

KNOWLEDGE HORIZON CLASSES

Test Series

- Q1.** A student added dilute HCl to a test tube containing zinc granules and made following observations:
- (I) The zinc surface became dull and black.
 - (II) A gas evolved which burnt which a pop sound.
 - (III) The solution remained colorless.
- Correct observations are:
- (i) I and II
 - (ii) I and III
 - (iii) II and III
 - (iv) I, II and III
- Q2.** A blue litmus paper was first dipped in dil. HCl and then in dil. NaOH solution. It was observed that the colour of the litmus paper
- (i) Changed to red.
 - (ii) Changed first to red and then blue.
 - (iii) Changed blue to colourless.
 - (iv) remained blue in both the solutions.
- Q3.** Which is the correct formula of P.O.P?
- (i) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
 - (ii) $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
 - (iii) $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$
 - (iv) CaSO_4
- Q4.** Which of the following is liquid at ordinary temperature?
- (i) Germanium
 - (ii) Gallium
 - (iii) Gold
 - (iv) Galena
- Q5.** What happens when copper turning is heated with concentrated sulphuric acid?
- (i) CO_2 is produced.
 - (ii) SO_2 is produced.
 - (iii) H_2 is produced.

- (iv) H_2S is produced.
- Q6.** In which of the following ore does not match with the metal?
(i) Zinc – Calamine
(ii) Iron – Haematite
(iii) Copper – Cinnabar
(iv) Aluminium – Bauxite
- Q7.** Which one of the following is general formula of alkene?
(i) $\text{C}_n\text{H}_{2n+2}$
(ii) C_nH_{2n}
(iii) $\text{C}_n\text{H}_{2n-2}$
(iv) $\text{C}_n\text{H}_{2n+1}$
- Q8.** $\text{CH}_2=\text{CH}_2 + \text{H}_2 \rightarrow \text{CH}_3-\text{CH}_3$ is an example of
(i) Substitution reaction
(ii) Addition reaction
(iii) Elimination reaction
(iv) Polymerization reaction
- Q9.** Number of valance electrons present in 13th group of periodic table is
(i) 3
(ii) 5
(iii) 4
(iv) 2
- Q10.** Nature of oxides of alkali metals is
(i) Amphoteric
(ii) Acidic
(iii) Basic
(iv) Non of these
- Q11.** Which term is used to indicate the development of unpleasant smell and taste in fat and oil containing foods?
(i) Corrosion
(ii) Rancid
(iii) Rust
(iv) Antioxidant
- Q12.** Bleaching agent in bleaching powder is:
(i) Calcium
(ii) Oxygen
(iii) Chlorine
(iv) None of the above
- Q13.** What is Aqua-Regia?

- (i) 1 part cone. HCl : 3 parts cone. HNO₃
 - (ii) 1 part cone. HNO₃ : 3 parts cone. HCl
 - (iii) 1 part dil. HNO₃ : 3 parts dil. HCl
 - (iv) None of the above
- Q14.** Which of the following methods is suitable for preventing an iron frying pan from rusting?
- (i) Applying grease
 - (ii) Applying paint
 - (iii) Applying a coat of zinc
 - (iv) all of the above
- Q15.** Bond formed by sharing of electron pair between two atoms is known as
- (i) Electrovalent bond
 - (ii) Covalent bond
 - (iii) Coordinate bond
 - (iv) Metallic bond
- Q16.** Pentanone is a five carbon compound with the functional group
- (i) Alcohol
 - (ii) Carboxylic acid
 - (iii) Ketone
 - (iv) Aldehyde
- Q17.** Sodium/potassium salts of fatty acids are called
- (i) Hydrocarbons
 - (ii) Detergents
 - (iii) Soaps
 - (iv) Micelles
- Q18.** In periodic table lanthanides belong to
- (i) 5th period
 - (ii) 6th period
 - (iii) 7th period
 - (iv) 4th period
- Q19.** Maximum number of electrons can be filled in M-shell
- (i) 8
 - (ii) 12
 - (iii) 18
 - (iv) 32
- Q20.** All the elements of group 17 form
- (i) Acidic oxides
 - (ii) Basic oxides
 - (iii) Amphoteric oxides

(iv) Non of these