



Techno ACE

Model Question Paper

Chemistry

Class X going to XI

Time – 22.5 minutes

F.M. $15 \times 4 = 60$

For every correct answer examinee will be awarded +4 marks and for every wrong answer it will be – 1 mark

- Which of the following reactions takes place on being exposed to light and which on being exposed to heat.
 - $2\text{NaNO}_3 \rightarrow 2\text{NaNO}_2 + \text{O}_2$
 - $2\text{AgBr} \rightarrow 2\text{Ag} + \text{Br}_2$(A) A – Light and B – Heat (B) A – Heat and B – Light
(C) Both A and B – Light (D) Both A and B – Heat
- $6\text{NaOH} + 3\text{Cl}_2 = 5\text{NaCl} + \text{NaClO}_3 + 3\text{H}_2\text{O}$
In this reactions
(A) Cl_2 is oxidised and NaOH is reduced (B) Cl_2 is reduced and NaOH is oxidised
(C) Cl_2 is oxidised as well as reduced (D) NaOH is oxidised as well as reduced
- Which of the following metals reacts with base like NaOH & KOH to liberate H_2
(A) 2n (B) Al (C) Both (D) None
- The reaction between an acid and a base belongs to the type
(A) Displacement (B) Double displacement
(C) Decompositions (D) Direct combination
- An aqueous solution of an acid gives
(A) H_3O^+ along with other cation (B) H_3O^+ as only cation
(C) H^+ and OH^- ions (D) None

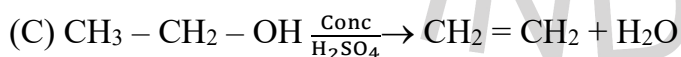
6. In acid rain the pH is
 (A) Below 7 (B) Above 7
 (C) Below 5.6 (D) Above 5.6 but less than 7
7. Which of the following acids is present in Tamarind
 (A) Oxalic acid (B) Citric acid (C) Tartaric acid (D) Tartaric acid
8. Washing soda is
 (A) Na_2CO_3 (B) NaHCO_3 (C) $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$ (D) None
9. Plaster of Paris is
 (A) $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ (B) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ (C) $2\text{CaSO}_4 \cdot \text{H}_2\text{O}$ (D) Both (1) and (3)
10. Which of the following is correct
 (A) Carbonate ore is roasted and sulphide ore is calcinated
 (B) Carbonate ore is calcinated and sulphide ore is roasted
 (C) Both carbonate and sulphide ores are roasted
 (D) Both carbonate and sulphide ores are calcinated
11. The IUPAC name of $\text{CH}_3 - \text{CH}_2 - \underset{\text{CH}_3}{\text{CH}} - \text{COOH}$ is
 (A) 2-methyl 1-butanoic acid (B) 2-methyl butanoic acid
 (C) Both (1) and (2) are correct (D) Both (1) and (2) are wrong
12. Match the column

Reactions**Type**

(P) Additions



(Q) Eliminations



(R) Substitutions



(S) Condensations

(A) A - P

(B) A - Q

(C) A - P

(D) A - P

B - Q

B - R

B - R

B - R

C - R

C - P

C - Q

C - Q

D - S

D - S

D - S

D - P

13. Which of the followings is not Dobereiner's Triads

- (A) Li, Na, K (B) Ca, Sr, Ba (C) N, P, As (D) Cl, Br, I

14. Match the column

- | | |
|--------------|--------|
| (A) Σka – Al | (P) Tc |
| (B) Σka – B | (Q) Ga |
| (C) Σka – Si | (R) Sc |
| (D) Σka – Mn | (S) Ge |

- | | | | |
|-----------|-----------|-----------|-----------|
| (A) A – P | (B) A – Q | (C) A – Q | (D) A – P |
| B – Q | B – P | B – R | B – S |
| C – R | C – S | C – S | C – R |
| D – S | D – R | D – P | D – Q |

15. In the first group of Long Form as Periodic Table the element with smallest radius is

- (A) Cs (B) Li (C) Rb (D) K