

PYQSide

NEET S-BLOCK ELEMENTS — IMPORTANT COMPOUNDS OF CALCIUM — PYQS

Max. Marks: 32

Questions: 8

Section A (MCQ)

- Q.1** CaCl_2 and $\text{Ca}(\text{OCl})_2$ are components of
[NEET (UG) 2022 (Phase 2)]
(1) Lime water (2) Gypsum
(3) Portland cement (4) Bleaching powder
- Scan or tap for the full solution 
- Q.2** The product obtained as a result of a reaction of nitrogen with CaC_2 is
[NEET 2016 (Phase 1)]
(1) CaCN_2 (2) Ca_2CN (3) $\text{Ca}(\text{CN})_2$ (4) CaCN
- Scan or tap for the full solution 
- Q.3** The suspension of slaked lime in water is known as
[NEET 2016 (Phase 2)]
(1) lime water
(2) quick lime
(3) milk of lime
(4) aqueous solution of slaked lime.
- Scan or tap for the full solution 
- Q.4** Match **List-I** with **List-II** for the compositions of substances and select the correct answer using the codes given below.
[AIPMT 2011 (Mains)]
- | List-I
(Substances) | | List-II
(Composition) | |
|------------------------|------------------|--------------------------|---|
| A. | Plaster of Paris | i. | $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ |
| B. | Epsomite | ii. | $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ |
| C. | Kieserite | iii. | $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ |
| D. | Gypsum | iv. | $\text{MgSO}_4 \cdot \text{H}_2\text{O}$ |
| | | v. | CaSO_4 |
- (1) (A)-(iii), (B)-(iv), (C)-(i), (D)-(ii)
(2) (A)-(ii), (B)-(iii), (C)-(iv), (D)-(i)
(3) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)
(4) (A)-(iv), (B)-(iii), (C)-(ii), (D)-(i)
- Scan or tap for the full solution 

- Q.5** Which one of the following is present as an active ingredient in bleaching powder for bleaching action?
[AIPMT 2011 (Prelims)]
(1) CaOCl_2 (2) $\text{Ca}(\text{OCl})_2$
(3) CaO_2Cl (4) CaCl_2
- Scan or tap for the full solution 
- Q.6** The compound A on heating gives a colourless gas and a residue that is dissolved in water to obtain B. Excess of CO_2 is bubbled through aqueous solution of B, C is formed which is recovered in the solid form. Solid C on gentle heating gives back A. The compound is
[AIPMT 2010 (Mains)]
(1) CaCO_3 (2) Na_2CO_3
(3) K_2CO_3 (4) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
- Scan or tap for the full solution 
- Q.7** Which of the following oxides is **not** expected to react with sodium hydroxide?
[AIPMT 2009]
(1) CaO (2) SiO_2 (3) BeO (4) B_2O_3
- Scan or tap for the full solution 
- Q.8** A solid compound X on heating gives CO_2 gas and a residue. The residue mixed with water forms Y. On passing an excess of CO_2 through Y in water, a clear solution Z is obtained. On boiling Z, compound X is reformed. The compound X is
[AIPMT 2004]
(1) $\text{Ca}(\text{HCO}_3)_2$ (2) CaCO_3
(3) Na_2CO_3 (4) K_2CO_3
- Scan or tap for the full solution 

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8			
Ans.	4	1	3	2	2	1	1	2			