

Model Question paper
Group 2 s-Block elements 2

11th Standard

Chemistry

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 00:45:00 Hrs

Total Marks : 35

5 x 1 = 5

Part - A

- 1) Quick lime is
(a) Calcium oxide (b) Calcium hydroxide (c) Calcium nitrate (d) Calcium sulphate
- 2) The formula of bleaching powder is
(a) $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ (b) $\text{CaOCl}_2 \cdot \text{H}_2\text{O}$ (c) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ (d) $\text{CaSO}_4 \cdot 1/4\text{H}_2\text{O}$
- 3) Plaster of Paris is
(a) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ (b) CaCl_2 (c) CaSO_4 (d) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
- 4) The compound used in making moulds for statues is
(a) Epsom salt (b) Calcium sulphide (c) Plaster of Paris (d) Gypsum
- 5) The element used in pyrotechnics is
(a) Magnesium (b) Barium (c) Calcium (d) Beryllium

Part - B

2 x 2 = 4

- 6) Why the ionization potential of M^{2+} is not very much greater than M^+ ?
- 7) Why a precipitate of $\text{Mg}(\text{OH})_2$ is not formed when aqueous ammonia, NH_4OH is added to a solution of MgCl_2 ?

Part - C

2 x 3 = 6

- 8) Beryllium halides are covalent whereas magnesium halides are ionic. Why?
- 9) Why are monoxides of alkaline earth metals stable?

Part - D

4 x 5 = 20

- 10) How is plaster of Paris prepared?
- 11) How is MgSO_4 prepared?
- 12) In the light of metallic bonding account for the following properties of group 2 elements.
These are harder than alkali metals
- 13) In the light of metallic bonding account for the following properties of group 2 elements.
These are good conductors of heat and electricity.
