Exemplar Problems

Q14. Dead burnt plaster is

(b)
$$CaSO_4 \cdot \frac{1}{2} H_2O$$

Sol. (a) Plaster of Paris is prepared by heating gypsum at 120°C.

On heating plaster of Paris at 200°C, it forms anhydrous calcium sulphate, i.e., dead plaster which has no setting property as it absorbs water very slowly.

CaSO₄.
$$\frac{1}{2}$$
H₂O $\xrightarrow{200^{\circ}\text{C}}$ CaSO₄ $\xrightarrow{1100^{\circ}\text{C}}$ CaO + SO₃