25. Carbon dioxide can be produced by the following reaction.

$$2\mathsf{HCl}(\mathsf{aq}) \ + \ \mathsf{K}_2\mathsf{CO}_3(\mathsf{aq}) \ \to \ 2\mathsf{KCl}(\mathsf{aq}) \ + \ \mathsf{CO}_2(\mathsf{g}) \ + \ \mathsf{H}_2\mathsf{O}(\boldsymbol{\ell})$$

The most suitable method of isolating the carbon dioxide is by

- A bubbling through calcium hydroxide
- B collection over water
- C evaporation
- D distillation.

[END OF QUESTION PAPER]