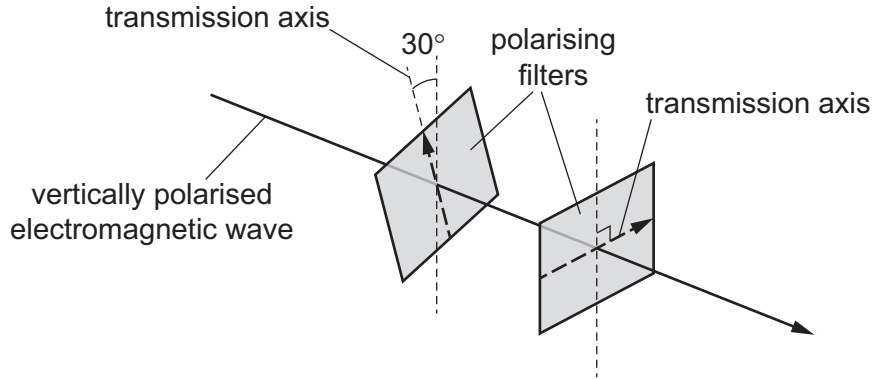**24** A vertically polarised electromagnetic wave of intensity I_0 is incident normally on a polarising filter. The transmission axis of the filter is at an angle of 30° to the vertical.

The transmitted wave from the first filter is then incident normally on a second polarising filter. The transmission axis of this filter is at an angle of 90° to the vertical.

What is the intensity of the wave after passing through the second filter?

A   0   **B** $0.063\,I_0$ **C** $0.19\,I_0$ **D** $0.56\,I_0$