

- 23** A horizontal beam of vertically polarised light of amplitude A is incident normally on a polarising filter. The transmission axis of the filter is at an angle of 50° to the vertical.

What is the amplitude of the light in the beam after it has passed through the filter?

- A** $0.17A$ **B** $0.41A$ **C** $0.64A$ **D** $0.80A$