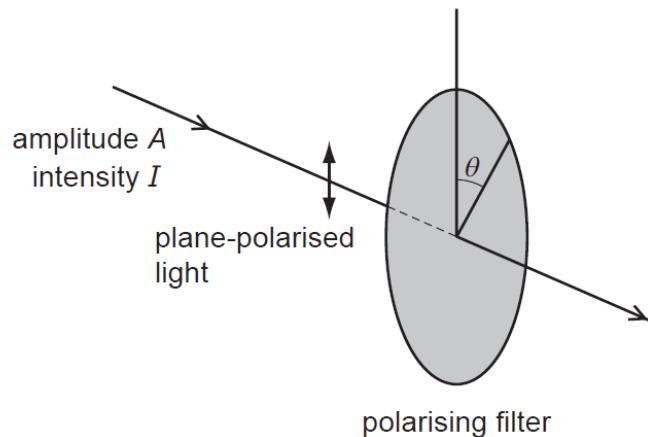


- 15 A plane-polarised light of amplitude  $A$  is passed through a polarising filter as shown below.



The intensity of the initial beam is  $I$ .

What is the intensity of the emerging light when  $\theta$  is  $60.0^\circ$ ?

**A**  $0.250 I$

**B**  $0.500 I$

**C**  $0.750 I$

**D**  $0.866 I$