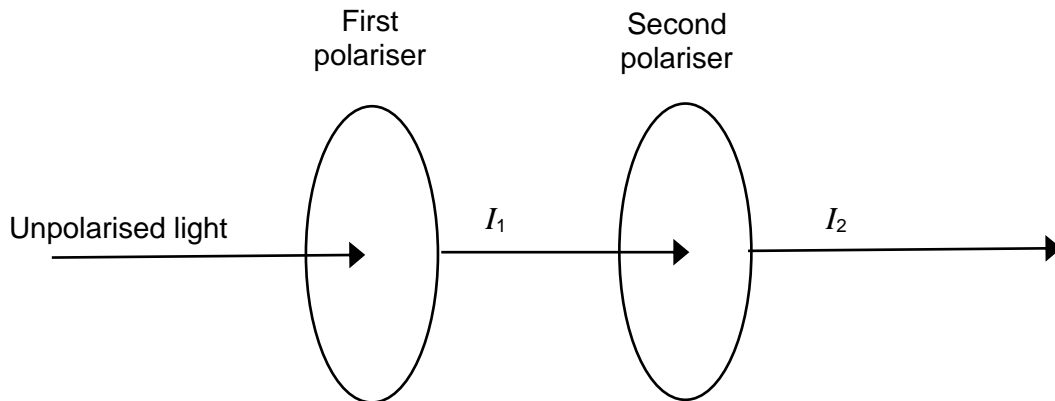


14 Unpolarised light is incident upon two consecutive polarisers as shown below.



The second polariser has a fixed transmission axis which cannot be rotated. I_1 is the intensity after the first polariser, and I_2 is the intensity of light after the second polariser.

How would I_1 and I_2 be affected if the transmission axis of the first polariser was rotated?

- A** Both would change.
- B** Only I_1 would change.
- C** Only I_2 would change.
- D** Neither would change.

15 A stationary wave is produced by two waves of the same frequency and amplitude. The intensity of the wave is maximum at the antinodes and minimum at the nodes. The intensity of the wave is zero at the nodes.