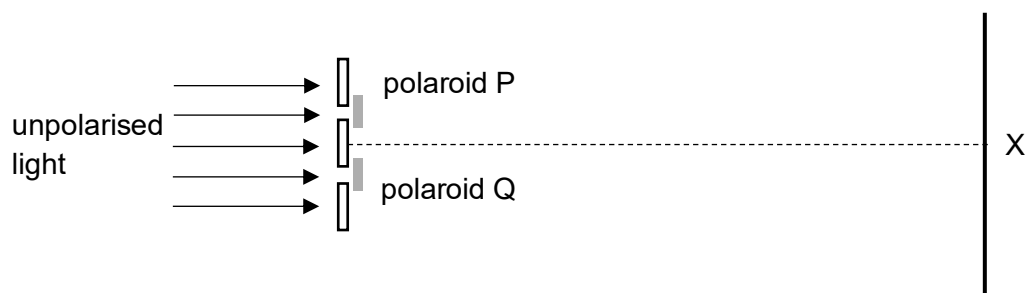16 Two sheets of polaroid P and Q are placed in front of a double slit such that their directions of polarization are parallel to each other.

When unpolarised light is incident normally on the double slit, the central bright fringe at X has an amplitude 2A.

What is the amplitude at X when polaroid P is turned through an angle of 60°?

A 0.5A   **B** 1.5A   **C** 1.7A   **D** 2A