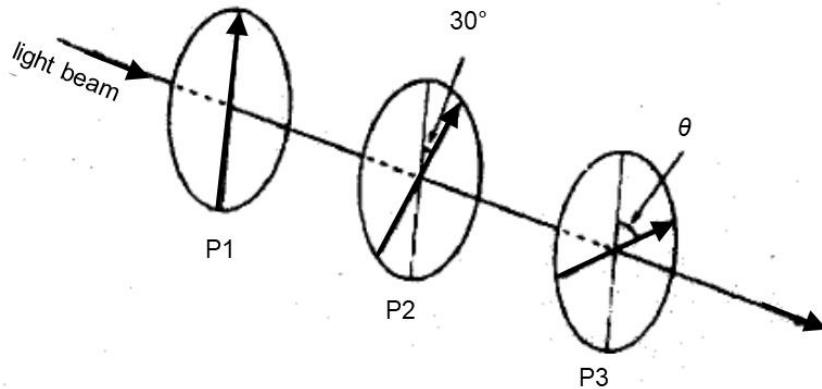


- 14** A beam of unpolarised light passes through three polaroids P_1 , P_2 and P_3 . The polarising axis of each polaroid is shown by an arrow. Polaroids P_1 and P_2 are fixed, with their polarising axes at 30° to each other and P_3 can be set with its polarising axis at a variable angle θ to that of P_1 .



For what values of θ do the emergent light have the lowest intensity?

- A** $30^\circ, 120^\circ$
- B** $60^\circ, 240^\circ$
- C** $90^\circ, 270^\circ$
- D** $120^\circ, 300^\circ$