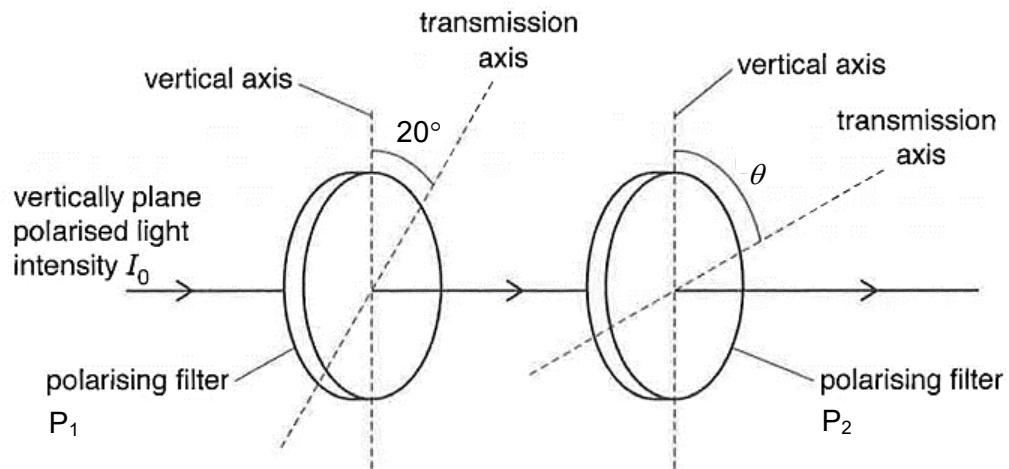


- 13** A beam of vertically polarised light of intensity I_0 is transmitted through two polarising filters P_1 and P_2 as shown. The axes of polarisation of P_1 and P_2 are at 20° and θ relative to the direction of polarisation of the incident light. The intensity of the light after passing through P_2 is $0.25 I_0$.



What is the value of θ ?

- A** 38° **B** 58° **C** 78° **D** 95°

