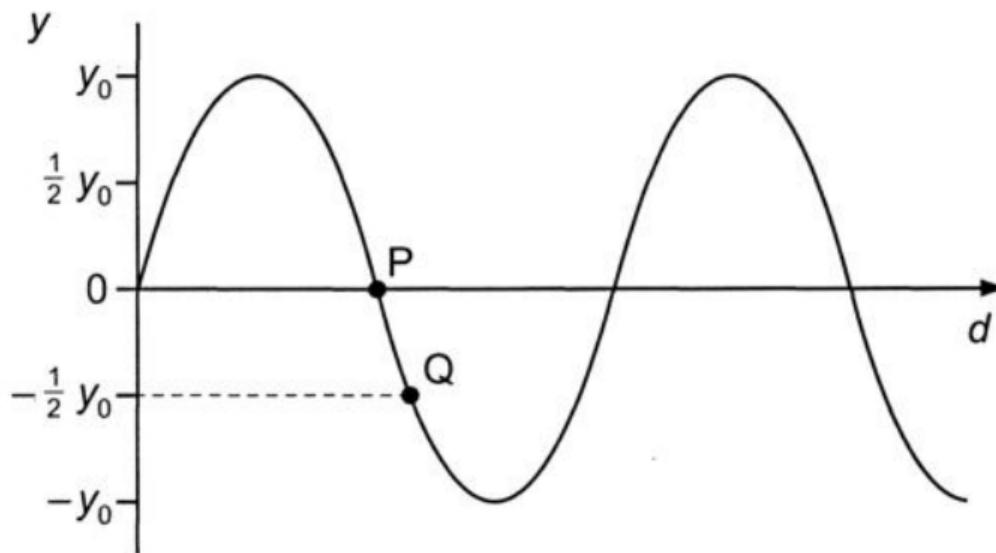


- 23 The diagram shows the variation with distance  $d$  along a sinusoidal wave of displacement  $y$  of particles in the wave. The amplitude of the wave is  $y_0$ .



What is the phase angle between the two particles P and Q in the wave?

A  $30^\circ$

B  $45^\circ$

C  $90^\circ$

D  $180^\circ$

- 24 Two coherent sources  $S_1$  and  $S_2$  of radio waves are separated by a distance  $d$ .