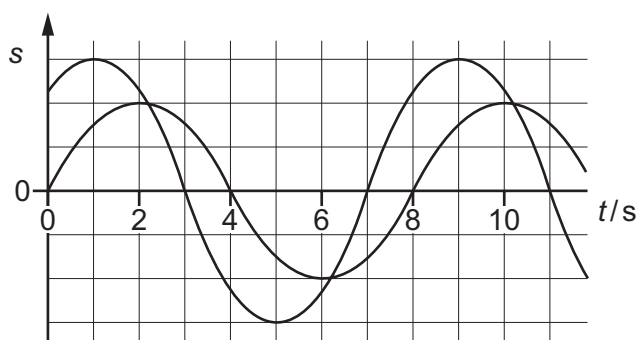


- 20 Two waves pass through a point P. The graph shows the variation with time  $t$  of the displacement  $s$  of the two waves at point P.



What is the phase difference between the two waves at point P?

- A  $0^\circ$                       B  $45^\circ$                       C  $90^\circ$                       D  $180^\circ$
- 21 Which row is correct for both progressive transverse waves and progressive longitudinal waves?

	transverse waves	longitudinal waves
<b>A</b>	contain compressions and rarefactions	some can travel in a vacuum
<b>B</b>	can be polarised	contain compressions and rarefactions
<b>C</b>	vibrations are perpendicular to the direction of travel of the wave energy	can be polarised
<b>D</b>	some can travel in a vacuum	vibrations are perpendicular to the direction of travel of the wave energy