7. Waves

7.2 Transverse and longitudinal waves

Paper 2

Marking Scheme

Q1.

(a)	longitudinal waves have oscillations parallel to the (direction of) transfer of energy	**B1**
	transverse waves have oscillations perpendicular to the (direction of) transfer of energy	**B1**

Q2.

(a)(i)	(they are) perpendicular	**B1**
(a)(ii)	(they are) parallel	**B1**

Q3.

(a)	oscillations (of particles) are parallel to (the direction of) energy transfer	**B1**

Q4.

(a)(i)	vibrations (of particles) are parallel to direction of energy propagation	**B1**

Q5.

(b)(iv)	(P has) maximum downward displacement at 0.005 s	**B1**
	returns to original position/point (at 0.010 s)	**B1**