Question	Answer		Mark
Number			
16(a)	Unpolarised light vibrates/oscillates in all planes	(1)	
	Plane polarised light vibrates/oscillates in one plane	(1)	
	Including the direction of wave travel	(1)	
	OR		
	Unpolarised light vibrates/oscillates in all directions	(1)	
	Plane polarised light vibrates/oscillates in one direction	(1)	
	Perpendicular to the direction of wave travel	(1)	3
16(b)	Number(s) added to both axes	(1)	
	Single maximum at 0° and single minimum at 90°	(1)	
	Intensity at $0^{\circ} \le 0.5 \text{ W m}^{-2}$ (but not 0)	(1)	3
	(MP3 cannot be awarded if the graph has a positive gradient)		
	Examples of graphs		
	(These appear at the end of the mark scheme)		
16(c)	(Polarising) filters at 90° to each other do not allow light to pass through	(1)	
	Rotation of plane of polarisation (due to stress) allows light to pass	(1)	
	Darker areas represent less stress <b>Or</b> brighter areas represent greater stress	(1)	3

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**Total for question 16**