Question Number	Answer		Mark
14(a)	Determines period from at least 2 cycles [to within 1 square]	(1)	
	Converts period into hours	(1)	
	$T = 12.0 \rightarrow 13.0 \text{ (hours)}$	(1)	3
	Example of calculation		
	$13T = (6.9 - 0.2) \times 24 \text{ hours} = 160.8 \text{ hours}$		
	$T = \frac{160.8 \text{ hours}}{13} = 12.4 \text{ hours}$		
14(b)			
	Period of the tide matches natural period of oscillation of water in the bay [accept references to frequency]	(1)	
	Efficient/maximum transfer of energy (into water in the bay)		
	Or Resonance occurs	(1)	
	Amplitude (of tide) increases		_
	Or There is a maximum amplitude	(1)	3
	Total for question 14		6