Question number	Answer	Notes	Marks
5 (a)	frequency;	ignore unit for frequency reject response with more than one quantity/property	1
(b)	C chosen;	condone E chosen condone 'C and E' condone 'C or E'	2
	(because) humans can hear up to 20 kHz / 20 000Hz;	accept additional reasonable qualification e.g. idea of upper range decreasing with age or hearing loss	
(c) (i)	substitution into f = 1/T;	accept use of standard form throughout working required	3
	rearrangement;	working required	
	evaluation in seconds and appropriate conversion to ms;	-1 for POT error	
(ii)	e.g. $500 = 1/T$ $T = 1/500$ $T = 0.002 \text{ s} = 2(.0) \text{ (ms)}$ one or more complete wave(s) drawn with consistent period by eye;	accept reverse argument i.e converted to 0.002; substituted i.e. f = 1/0.002; evaluated to get 500 Hz; ignore amplitude e.g. all half-cycles the same number of squares horizontally	2
	each cycle is 4 squares;	mark independently	

Total for Question 5 = 8 marks