Question number		Answer	Notes	Marks
3 (a)		B – sound waves are transverse;		1
(b)	(i)	calculation of time period; substitution into correct frequency equation; evaluation; e.g. (time period / T) = 0.02 (s) ($f =$) 1/0.02 ($f =$) 50 (Hz)	allow ecf for incorrect time period allow 0.02 seen anywhere 16.7, 100 (Hz) get 2 marks max.	3
	(ii)	line drawn has smaller amplitude than existing line <u>throughout</u>; line drawn has higher frequency (pitch) <u>throughout</u>;	ignore vertical position of line	2

Total for question = 6 marks