Question number	Answer	Notes	Marks
5	at least one from:		6
	in relation to driver:		
	MP1. (frequency) does not change;	allow pitch does not	
		change	
	MP2. no (relative) movement between driver ar		
	horn;	travelling at same speed /	
		distance between car	
	DILIC to Class Const	(horn) and driver constant	
	PLUS up to five from:		
	in relation to person at the side of the road:		
	MP3. recognition that the Doppler effect applie		
	MP4. frequency heard by person at side of the	allow pitch as alternative	
	road is different to that heard by driver;	to frequency	
	ND5 6 1111	reject just 'different'	
	MP5. frequency is higher as car approaches;	allow pitch of sound is higher	
	MP6. because wavefronts become closer	allow wavelength	
	together;	decreases	
	MP7. frequency is lower as car moves away;	allow pitch of sound is	
		lower	
	MP8. because wavefronts become further apart	allow wavelength increases	
	MP9. speed of sound remains constant;		
	MP10. relevant mention of $v = f \times \lambda$;	must link to a previous MP,	
		not merely quoting the	
		formula	

Total for Question 5 = 6 marks