Question number	Answer	Notes	Marks
3 (a) i	3.1 ONLY circled in the table;		1
ii	<pre>(average) speed = distance (moved)/time (taken);</pre>	accept words or standard symbols	1
iii	discards anomalous result; calculates mean time for B; substitution; evaluation; e.g. average time = 4.7 gets 1 ma		4
	average time = 5.5 gets 2 ma speed = 20/ 5.5 gets 3 mar =3.7 gets 4 ma	ks allow 20/5.45	
		answers which round to 4.3 get 3 marks	
iv	explanation including the following ideas EITHER		2
	bar chart; because woodpeckers are discrete / eq; OR	condone histogram DOP	
	mass is a continuous variable; therefore scatter-gram / eq;	DOP allow line graph	
b	discussion to include any 3 ideas from:	no mark for unqualified 'yes' or 'no'	3
	MP1. there is no (discernible) pattern;	results don't go in order/eq	
	MP2. supporting data quoted;	allow calculated speeds (cm/s) A= 1.8 B= 3.7 (4.3) C = 2.3	
	MP3. discussion of why prediction is wron should be fastest;		
	MP4. three data sets is insufficient to dec		
	MP5. need for further data to extend range results;	ge of ignore discussion of anomalies	