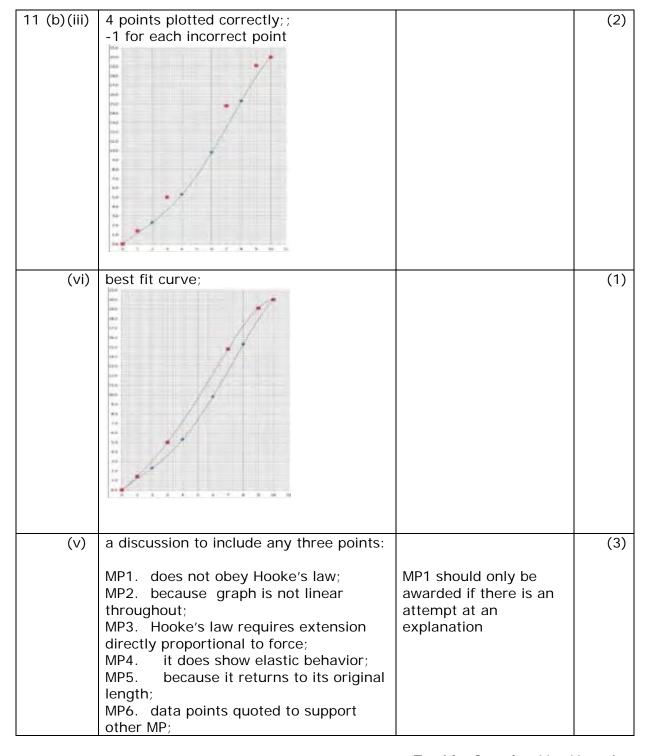
Question number	Answer	Notes	Marks
11 (a) (i)	MP1. means of securing one end of elastic band;		(3)
	MP2. ruler;		
	MP3. weights;		
(ii)	extension linked to dependent force linked to independent temperature linked to control		(2)
	variable type of variable		
	extension control		
	force dependent		
	temperature independent		
	all three correct;;		
	any one correct;		
(iii)	any two from: determine length without weights;		(2)
	determine length with 12 N;	allow	
	subtraction to get extension;	find difference in lengths	
11 (b)(i)	any two suggestions from:- MP1. unloading and loading at same	ignore repeat and average	(2)
	intervals;		
	MP2. filling in the (large) gap in the unloading data;	allow 'go up in ones'	
	MP3. more readings (where curve is	go up in ones	
	most pronounced); MP4. increase the range of loads;		
(ii)	best fit curve;		(1)
	13.0 13.0		



Total for Question 11 = 16 marks