Topic Test 1 Mark Scheme

Scatter graphs - Higher

Q	Answer	Mark	Comments
1	Links middle graph to Weak positive correlation	B1	
	Links bottom graph to Little or no correlation	B1	
2(a)	**B**	B1	
2(b)	**A** because there is no correlation	B1	oe
3(a)	The higher the mark in the first examination, the higher the mark in the second examination.	B1	oe
3(b)	26	B1	
	32	B1ft	ft (38 + their 26) ÷ 2
4(a)	[18 000, 18 500]	B1	
4(b)	[40 500, 41 000]	B1	
4(c)	The second estimate because it is inside the range of data	B2	oe B1 Chooses estimate (b)

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Q	Answer	Mark	Comments
5	Straight ruled line of best fit	B1	Through (2, 16 - 20) and (6, 0 - 2)
	Reads from the vertical scale at 6	M1	Evidence may be on graph
	4.75	A1ft	± ½ square ft their line of best fit
6(a)	Correctly plots (5.17, 34)	B1	± ½ square
6(b)	Straight ruled line of best fit	B1	Through (4.45, 17 – 25) and (5.25, 35 – 45)
	32	B1ft	± ½ square ft their line of best fit
	5.44	B1ft	ft their 32 + 5.12
6(c)	Outside range of scatter graph	B1	
	Traffic/Road conditions will have changed	B1	