AQA Computer Science A-Level 4.12.2 Writing functional programs Past Paper Mark Schemes

Additional Specimen Paper 2

08	2	Mark is for AO2 (apply)	1
		36;	

08	3	Marks are for AO1 (understanding)	2
		Reduces a list of values to a single value;	2
		By applying a combining function;	

June 2017 Paper 2

06	2	All marks AO2 (apply)				
		Function Call	Call Result			
		map square a	[1,9,25]			
		filter (<10) b	[1,5]			
		fold (+) 0 c	18			
		A. [5,1] for row 2 this tim	е	sts eg x = $[1, 9, 25]$		
06	3	Mark is for AO1 (knowl A function that takes a fu a function as an argume	inction as an argu	ment // returns a function as a result // takes	1	

Specimen Paper 2

12	1	Marks is for AO1 (understanding)				
		Head 1				
		Tail [2, 3, 4]				
e .		mark for both head and tail correct. I. if brackets are missing in tail.	,			
12	2	Mark is for AO2 (apply)				
		[2, 4, 6, 8];	1			
	,	I. if brackets are missing in tail.				
12	3	All marks AO1 (understanding)				
		1 mark: Explaining that map applies the function double to each list element;	3			
		 1 mark: Explaining that map applies double to the head of the list; 1 mark: and then a recursive call is made on the tail of the list; 				