

Question	Scheme	Marks	AOs
2(a)	Not suitable with a correct reason eg the points do not lie close to a straight line. there appear to be two populations if G and H were removed it appears to be a negative correlation	B1	1.2
		(1)	
(b)	$H_0 : \rho = 0$ $H_1 : \rho > 0$	B1	2.5
	Critical value 0.5509	M1	1.1a
	Reject H_0		
	There is evidence that pmcc is greater than zero	A1	2.2b
		(3)	
(c)	Beijing and Jacksonville	B1	2.2a
		(1)	
(d)	Beijing and Jacksonville are the closest to the equator	B1	2.4
		(1)	
(e)	Use data from one place.	B1	2.4
		(1)	
(7 marks)			
Notes:			
(a) B1: for a correct statement using the data in the table			
(b) B1: for both hypotheses in terms of ρ M1: for selecting a suitable critical value compatible with their H_1 A1: for a correct conclusion stated			
(c) B1: both Beijing and Jacksonville – they do not need to be attached to G and H correctly.			
(d) B1: for the idea they are near the equator dependent only Beijing or Jacksonville being given in part(c)			