Question	Scheme	Marks	AOs
3(a)(i)	P(NNE) = 1/16 oe	B1	1.1b
(ii)	(Discrete) uniform distribution	B1	1.2
		(2)	
(b)	e.g. lds only gives data for months May to October	B1	2.4
	or lds only gives data for 2 specific years		
		(1)	
(c)	Any two from eg		
	Create numbered list or sampling frame of days of the year	B1	1.1b,
	Use random number generator/table to select 36 numbers	B1	1.1b
	In the range 001 to 365 (or 366)		
	ignoring others/repeats		
		(2)	
(d)(i) (ii)	$H_1: p \neq 0.25$	B1	2.2a
	Test statistic is in critical region so evidence to reject H_0	M1	1.1b
	e.g. Significant evidence that the daily mean wind	A1ft	3.5a
	directions are not all equally likely (oe)		
		(3)	
(8 marks)			

Notes:(a)(i) B1 1/16 or 0.0625 only(b) accept reference to Sam's investigation of weather throughout the year(c) any 2 valid steps. Accept numbering eg 000 to 364 etc(d) A1ft requires valid comment in context, ft their H1, Accept eg P(wind between 135 °cand $225^{\circ}c$) $\neq 0.25^{\circ}$, but not just $p \neq 0.25$, needs context.