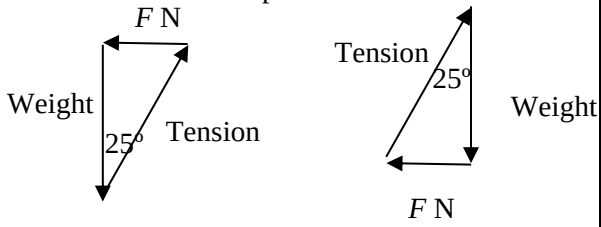
Question			Answer	Marks	AO	Guidance
5	(a)		Either of these is acceptable  	**B1** **B1** **[2]**	**1.1b** **1.1b**	Arrows making a closed loop in roughly the right directions Tension, weight and F labelled on their triangle and 25° (or 65°) correctly labelled. May be given as a suitable angle outside the triangle.
5	(b)		Using the triangle of forces $F = 3g\tan 25°$ or $\text{Tension} = \dfrac{3g}{\cos 25°}$ $F = 13.7$ $\text{Tension} = 32.4$ N **Alternative method** Resolve vertically $T\cos 25° = 3g$ $T = 32.4$ N Resolve horizontally $F = T\sin 25° = 13.7$	**M1** **A1** **A1** **M1** **A1** **A1** **[3]**	**1.1a** **1.1b** **1.1b**	Allow sin/cos or 25°/65° interchange to find F or T cao cao Allow sin/cos interchange or 25°/65° interchange cao cao