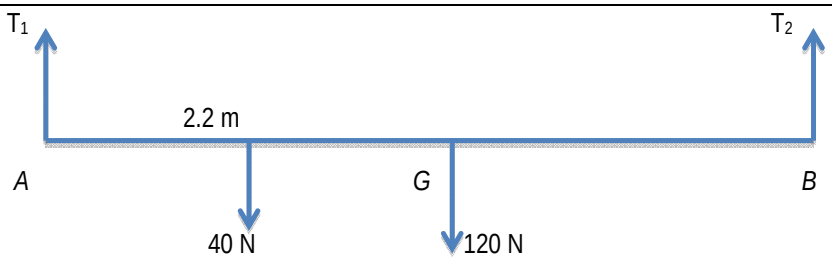
Question Number	Scheme	Marks
5(a)		
(i)	$M(B),\ \ 4T_1 = 120 \text{ x } 1.8 + 40(4-x)$ $T_1 = 94 - 10x$	M1 A1 A1
(ii)	$M(A),\ \ 4T_2 = 120 \text{ x } 2.2 + 40x$ $T_2 = 66 + 10x$	M1 A1 A1 (6)
(b)	$94 - 10x \le 84$ $x \ge 1$ $66 + 10x \le 84$ $x \le 1.8$ $1 \le x \le 1.8$	M1 M1 A1 both CV A1 (4) **10**
	Notes	
5(a)(i) **(ii)**	First M1 for a complete method to find an equation in T_A and x only. First A1 for a correct equation in T_A and x only. Second A1 for $94 - 10x$ Second M1 for a complete method to find an equation in T_B and x only. First A1 for a correct equation in T_B and x only. Second A1 for $66 + 10x$	
5(b)	First M1 for their $T_A \le 84$ or $= 84$ or < 84 to give equation or inequality in x only. (> 84 is M0) Second M1 for their $T_B \le 84$ or $= 84$ or < 84 to give equation or inequality in x only. (> 84 is M0) First A1 for both critical values of x, 1 and 1.8 SEEN. Second A1 $1 \le x \le 1.8$ or $1 \le x$ AND $x \le 1.8$ or [1, 1.8]	