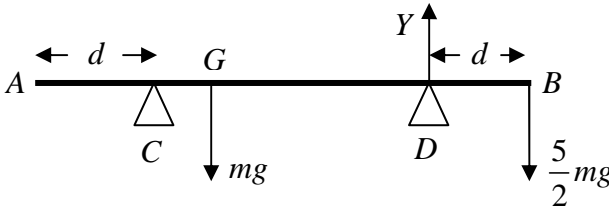
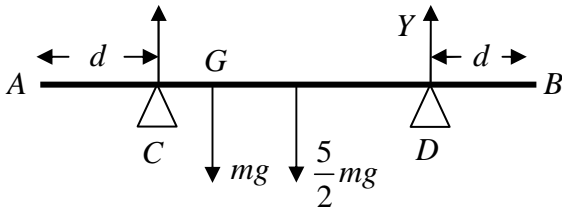


Question Number	Scheme	Marks
4 (a)	 <p> $M(D) \quad mg \times GD = \frac{5}{2} mg \times d$ $GD = \frac{5}{2} d *$ </p>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 10px;"></div> <div>M1 A1</div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 10px;"></div> <div>DM1 A1</div> </div> <div style="text-align: right;">(4)</div>
(b)	 <p> $M(C) \quad mg \times \frac{d}{2} + \frac{5}{2} mg \times \frac{3}{2} d = Y \times 3d$ Leading to $Y = \frac{17}{12} mg$ </p>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 10px;"></div> <div>M1 A2(1, 0)</div> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin-right: 10px;"></div> <div>DM1 A1</div> </div> <div style="text-align: right;">(5)</div>

9