

Question Number	Answer	Additional guidance	Mark
<b>6(c)</b>	<p>The only correct answer is B</p> <p><i>A is not correct because the monomers are not <math>\beta</math>-glucose</i></p> <p><i>C is not correct because the monomers are not <math>\beta</math>-glucose</i></p> <p><i>D is not correct because cellulose does not contain 2,6 glycosidic bonds</i></p>		<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>6(d)</b>	<p>An explanation that includes the following points:</p> <p>Support</p> <ul style="list-style-type: none"> <li>• structure described (1)</li> <li>• adaptation explained (1)</li> </ul> <p>Transport</p> <ul style="list-style-type: none"> <li>• structure described (1)</li> <li>• adaptation explained (1)</li> </ul>	<p>e.g. (cell) walls have secondary thickening / lignin in (cell) wall (1)</p> <p>e.g. (lignin in the cell wall) provides strength (1) ignore support</p> <p>e.g. hollow tubes with no {end walls / cytoplasm} (1) no obstruction to vertical movement / enables formation of continuous water column (1)</p> <p>e.g. narrow (1) to aid capillary action (1)</p> <p>e.g. contain {pits / non-lignified areas / tracheids} (1) to allow movement of water {in / out} of xylem (1)</p> <p>e.g. lignin (1) allows {impermeability to water / waterproofing } to keep water in xylem (1)</p>	<b>(4)</b>