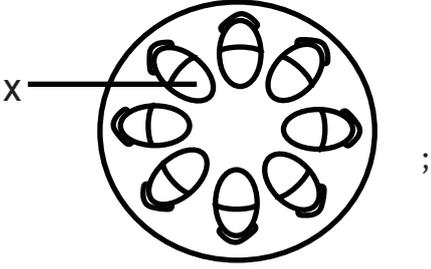


Question Number	Answer	Mark
5 (a)	<ol style="list-style-type: none"> <li>1. (organs) made up of tissues ;</li> <li>2. (organs) made up of many different cell types / eq ;</li> <li>3. (organs) can have more than 1 function /eq ;</li> </ol>	<b>max (2)</b>

Question Number	Answer	Mark
*5(b)(i) QWC	<p>(QWC - Spelling of technical terms (<i>shown in italics</i>) must be correct and the answer must be organised in a logical sequence)</p> <ol style="list-style-type: none"> <li>1. both made up of <i>glucose</i> / eq ;</li> <li>2. both {have(1-4) <i>glycosidic</i> bonds / made by <i>condensation</i> reactions} / eq ;</li> <li>3. both have 1-4(<i>glycosidic</i>) bonds ;</li> <li>4. starch is <math>\alpha</math> <i>glucose</i>, <i>cellulose</i> is <math>\beta</math> <i>glucose</i> ;</li> <li>5. starch composed of {more than one type of molecule / <i>amylose</i> and <i>amylopectin</i> ;</li> <li>6. correct reference to {branching / 1-6 bonds / helix} in starch / straight chain in <i>cellulose</i> ;</li> <li>7. all monomers same orientation in starch / every other one inverted in <i>cellulose</i> ;</li> </ol>	<b>max (4)</b>

Question Number	Answer	Mark
5 (b)(ii)	<ol style="list-style-type: none"> <li>idea of (tensile) strength / flexible / inelastic / eq ;</li> <li>{parallel arrangement / eq} / reference to hydrogen bonding / several layers of fibres / reference to {criss cross / net like} arrangement (of microfibrils) ;</li> </ol>	(2)

Question Number	Answer	Mark
5 (c)(i)	<p>Any one or more of the inner segments e.g.</p>  <p>Comment Allow x within appropriate segment(s).</p>	(1)

Question Number	Answer	Mark
5 (c)(ii)	<ol style="list-style-type: none"> <li>support /stability / eq ;</li> <li>transport of water ;</li> <li>transport of {minerals / ions / eq} ;</li> </ol>	max (2)