

Question Number	Answer	Mark
2(a)	chloroplast / (sap / large / permanent) {vacuole / vacuole membrane / tonoplast} / cellulose cell wall ;	(1)

Question Number	Answer	Mark
2(b)(i)	<ol style="list-style-type: none"> 1. spindle fibres contract / eq ; 2. {chromatids / daughter chromosomes / eq} ; 3. {pull apart / separate / eq} ; 4. reference to kinetochore / centromere leads ; 5. move to opposite {poles / eq} of cell ; 	max (3)

Question Number	Answer	Mark
2(b)(ii)	<ol style="list-style-type: none"> 1. membrane bound organelles {present / eq} / correctly named organelle e.g. mitochondrion ; 2. has {80s / large} ribosomes ; 3. nucleus will reform / eq ; 4. presence of cellulose cell wall ; 	max (2)

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2(c)(i)	<table border="1"> <thead> <tr> <th>Stage of the cell cycle</th> <th>Number of cells in each stage</th> <th>Percentage in each stage (%)</th> </tr> </thead> <tbody> <tr> <td>Interphase</td> <td></td> <td></td> </tr> <tr> <td>Prophase</td> <td></td> <td></td> </tr> <tr> <td>Metaphase</td> <td>2 ;</td> <td></td> </tr> <tr> <td>Anaphase</td> <td></td> <td></td> </tr> <tr> <td>Telophase</td> <td></td> <td></td> </tr> <tr> <td>Cytokinesis</td> <td>4 ;</td> <td></td> </tr> <tr> <td>TOTAL</td> <td></td> <td></td> </tr> </tbody> </table>	Stage of the cell cycle	Number of cells in each stage	Percentage in each stage (%)	Interphase			Prophase			Metaphase	2 ;		Anaphase			Telophase			Cytokinesis	4 ;		TOTAL			(2)
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2(c)(ii)	<ol style="list-style-type: none"> 1. interphase ; 2. most found at this stage (at any one time) / correct reference to figure from table ; 	(2)

Question Number	Answer	Mark
2(c)(iii)	not enough {data / samples / cells / slides} {observed / counted} / (data) only taken from one point in time ;	(1)