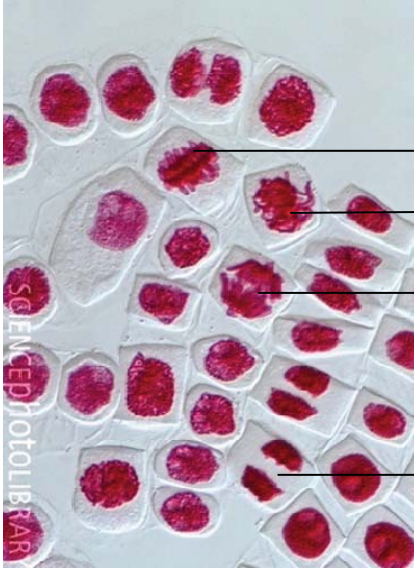


Question Number	Answer	Mark										
4(a)	<table><tr><th>Statements about cell division</th><th>Meiosis is involved</th></tr><tr><td>Required for both sexual and asexual reproduction</td><td></td></tr><tr><td>Produces gametes</td><td>✓ ;</td></tr><tr><td>Crossing over can occur</td><td>✓ ;</td></tr><tr><td>Occurs in mammals but not flowering plants</td><td></td></tr></table>	Statements about cell division	Meiosis is involved	Required for both sexual and asexual reproduction		Produces gametes	✓ ;	Crossing over can occur	✓ ;	Occurs in mammals but not flowering plants		(2)
	Statements about cell division	Meiosis is involved										
	Required for both sexual and asexual reproduction											
	Produces gametes	✓ ;										
	Crossing over can occur	✓ ;										
	Occurs in mammals but not flowering plants											

Question Number	Answer	Mark
4(b)	 <p>A - metaphase ;</p> <p>B - prophase ;</p> <p>C - anaphase ;</p> <p>D - telophase ;</p>	(4)

Question Number	Answer	Mark
4(c)(i)	site of {cell division / mitosis / actively dividing cells / meristem / eq };	(1)

Question Number	Answer	Mark
4(c)(ii)	to {soften the material / macerate / break middle lamella / eq};	(1)

Question Number	Answer	Mark
4(c)(iii)	{(acetic) orcein / lacto-propionic orcein / toluidine (blue) / Schiffs / eq} ;	(1)

Question Number	Answer	Mark
4(c)(iv)	<p>each mark is for the risk + appropriate precaution</p> <ol style="list-style-type: none"> 1. cut and appropriate precaution ; 2. acid and appropriate precaution ; 3. heat and appropriate precaution ; 4. stain and appropriate precaution ; 5. coverslip and appropriate precaution ; 	<p>max (2)</p>