

Mark scheme - Cell Division and Specialisation - MCQ

Question	Answer/Indicative content	Marks	Guidance
1	A ✓	1	
	Total	1	
2	D ✓	1	
	Total	1	
3	A	1	
	Total	1	
4	C	1	
	Total	1	
5	D	1	
	Total	1	
6	A	1	
	Total	1	
7	D ✓	1	
	Total	1	
8	B ✓	1 (AO 1.2)	Examiner's Comments Although on the same topic as Q10, fewer candidates were clear about what happens if damaged DNA is detected and A was a common incorrect response.
	Total	1	
9	D ✓	1 (AO 1.2)	
	Total	0	
10	D	1 (AO 1.2)	
	Total	1	

1			D	1 (AO 2.7)	
			Total	1	
1			C ✓	1 AO1 .1	
			Total	1	
1			D ✓	1 AO2 .5	
			Total	1	
1			B ✓	1	<p>ALLOW G1</p> <p><u>Examiner's Comments</u></p> <p>This question tests knowledge and understanding of the cell cycle. Those candidates who realised that synthesis of DNA occurs in the S phase understood that the cycle must be stopped before the S phase to prevent copying of the damaged DNA. Therefore B was the correct response. This was spotted by all but the least able candidates.</p>
			Total	1	
1			C	1	
			Total	1	
1			B	1	
			Total	1	
1			D	1	
			Total	1	
1			D	1	
			Total	1	
1			C	1	

		Total	1	
2 0		B	1	
		Total	1	
2 1		C	1	
		Total	1	
2 2		A	1	
		Total	1	