

Question Number	Answer	Mark
*2(a) 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"> 1. <i>undifferentiated</i> cell / eq ; 2. that can give rise to other {types of cell / eq }; 3. idea that no limit to division ; 4. correct reference to {<i>totipotent</i> / <i>pluripotent</i> /eq} ; 	max (2)

Question Number	Answer	Mark
2(b)	<ol style="list-style-type: none"> 1. cord blood /umbilical cord / placenta ; 2. {fertilised egg / zygote / eq} / blastocyst / (early) embryo ; 3. detail of site within blastocyst 4. bone marrow / eq ; 5. {brain / connective / skin / liver} cells / eq ; 6. addition of adult nucleus to enucleated egg cell ; 	max (3)

Question Number	Answer	Mark
2(c)(i)	<ol style="list-style-type: none"> 1. decide on max age of embryo allowed for research / eq ; 2. idea of setting or considering {ethical / legal} aspects / judging what is acceptable / follow a code of practice ; 3. example of what {is / is not} acceptable ; 4. checking that source of stem cells is acceptable / eq ; 5. stopping of cloning (of humans) / eq ; 6. appropriate reference to unnecessary repeating of research / eq ; 	max (2)

Question Number	Answer	Mark
2 (c)(ii)	<p>people involved in embryo research:</p> <ol style="list-style-type: none"> 1. idea of being able to (fully) understand the science / recognise what is possible {benefits / risks / eq} / judge in an informed manner ; <p>people not involved in embryo research:</p> <ol style="list-style-type: none"> 2. idea of giving a {balanced / alternative / wider / named} view ; 	(2)