

Question 7

Maximum mark

- (a) Stem cells are {able to develop into a variety of different cells / pluripotent / multipotent / totipotent} ;

Other cells of the body have already become {specialised / differentiated} ;

2 marks

- (b)
1. The embryonic stem cells come from human embryos ;
 2. The most likely source would be "spare" embryos from {*in vitro* fertilisation / IVF} ;
 3. Parents of "spare" embryos may object to them being used ;
 - ~~4.~~ Some people regard embryos as {unborn children / people} ;
 - ~~5.~~ To kill them constitutes murder / have {ethical / religious} objections to killing (human) embryos ;
 - ~~6A.~~ (other people consider that) embryos can be used to alleviate (human) suffering ;
 - 6B. Some people (on the other hand) would consider that this type of research offers so much potential to alleviate human suffering that it would be (ethically) wrong not to attempt it ;
 7. Correct reference to animal rights issue in appropriate context ;

5 marks

8. Consent

Total 7 marks