

1	Some women find it difficult to conceive naturally. How could a low level of FSH account for this?	
-	FSH stimulates egg cells in the ovaries to develop. So low FSH levels mean that they won't mature	
		[1 mark.]
2	To help them conceive, women take FSH in a fertility drug. Which other hormone do they take and	l how
	how does it help?	
_		
- I	LH, which stimulates ovulation (release of the egg from the ovary)	
		[1 mark]
3	What does IVF stand for?	
_	In vitro fertilisation	
		[1 mark]
4	Describe the stages involved in IVF treatment	1 mark j
•	Describe the stages involved in TVT treatment	
-	Women are given FSH & LH to stimulate egg to mature	
	The eggs are taken from the ovary	
	Then combined with sperm in a laboratory	
	This may involve ICSI if the man has a low sperm count or weak sperm	
	The fertilised egg is left in an incubator to develop into an embryo The embryo make he correspond to check for constitute defeats.	
	The embryo make be screened to check for genetic defects 1 or more healthy embryos are implanted into the uterus so they can develop into a foetus	
		6 marks]
5	What is ICSI (intra-cytoplasmic sperm injection), and why it it used?	
	It is the injection of sperm into an egg cell with a very tiny needle	
_	This is sometimes required if the man has low sperm count and weak sperm that could not penetrate	the egg
	cell without help	2 marks]
6	Give two possible emotional impacts of IVF	2 /////////////////////////////////////
Ū	Give two possible emotional impacts of 1v1	
-	Stress of the whole ordeal // Strain on relationship // Hormones may affect emotions	2 1 7
_	_	2 marks]
7	Give two possible side effects of IVF on a women physical health	
-	Abdominal pain // Vomiting etc	

[2 marks]

- 8 Why does IVF lead to increased risk of multiple births? Discuss why this could be a problem
- Because multiple embryos are often implanted into the uterus
- This has a higher risk of complications like stillbirth or miscarriage
- Many couple find it difficult to deal with multiple babies at once

[3 marks]

- **9** Discuss the ethical concerns of IVF
- As the embryos can be screened for defects, some may be destroyed if they're not healthy
- It could lead to 'designer babies' where parents choose embryos based on desired traits, like hair colour
- Some people think the whole process is unnatural and therefore wrong

[3 marks]

[Total 21 marks]