**Answer the following question briefly**

1 .In infertile couples, the inability to conceive is attributable to some factor in the woman or the man. What is a major cause of (a) female infertility and (b) male infertility?

2. A woman who believes she is pregnant complains of edema and vaginal bleeding. Examination reveals high plasma hCG concentrations and placental tissue, but no evidence of an embryo. How would you explain this condition?

3. A woman who was sexually assaulted during her fertile period was given large doses of estrogen twice for 1 day to interrupt a possible pregnancy.

3.1. If fertilization had occurred, what do you think would be the mechanism of action of this hormone?
3.2. What do lay people call this type of medical treatment? Is this what the media refer to as the "abortion pill?" If not, explain the method of action of the hormone treatment.