

Full Higher Separate content. ★ = Higher Tier. ◆ = Separate Science only.

Q1. Describe THREE methods of contraception and explain how each prevents pregnancy.

[3 marks]

Q2. Describe the process of IVF and explain how fertility drugs are used before egg collection.

[4 marks]

Total: 7 marks

Q1 (3 marks)

Describe THREE methods of contraception and explain how each prevents pregnancy.

- Pill (hormonal): contains oestrogen/progesterone → prevents ovulation by inhibiting FSH [1]
- Condom (barrier): physically prevents sperm reaching egg; also protects against STIs [1]
- IUD (coil): prevents implantation of fertilised egg; some release hormones [1] — any 3 methods correctly explained

Q2 (4 marks)

Describe the process of IVF and explain how fertility drugs are used before egg collection...

- Fertility drugs (contain FSH) given to stimulate multiple eggs to mature [1]
- Eggs collected from ovary [1]
- Fertilised by sperm in laboratory; embryo cultured for 2-3 days [1]
- Embryo implanted into uterus [1]