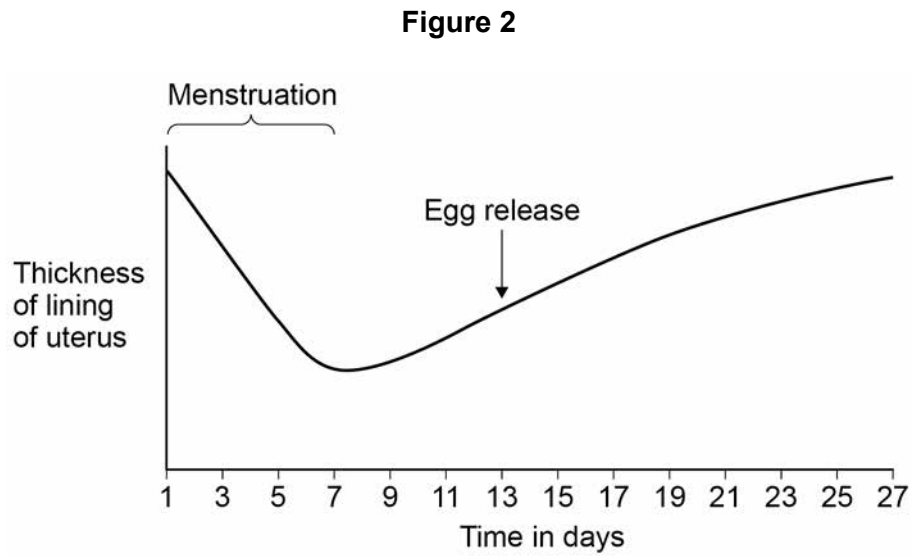


0 2

Figure 2 shows some changes that occur during the menstrual cycle.



0 2 . 1

Figure 2 shows that the lining of the uterus thickens between days 7 and 27.

What is the purpose of thickening the lining of the uterus?

[1 mark]

Tick **one** box.

To allow implantation of the embryo

To break down waste

To prevent sperm reaching the egg

0 2 . 2

Which hormone causes thickening of the lining of the uterus?

[1 mark]

Tick **one** box.

Auxin

Oestrogen

Testosterone



0 2 . 3 On which day is fertilisation most likely to occur?

Use information from **Figure 2**.

[1 mark]

Contraception can be used to lower the chance of pregnancy.

0 2 . 4 Draw **one** line from each method of contraception to how the method works.

[3 marks]

Method of contraception

How the method works

Contraceptive pill

Barrier to prevent sperm
reaching the egg

Diaphragm

Contains hormones to stop
eggs maturing

Spermicidal cream

Kills sperm

Slows down sperm
production

Question 2 continues on the next page

Turn over ►



0 2 . 5 Table 2 gives information about some different methods of contraception.

Table 2

Method	Number of pregnancies per 100 women in one year	Possible Side effects
Diaphragm and spermicidal cream	8	Usually none, but can cause bladder infection in some women
Condom	2	None
Contraceptive pill	1	Mood swings, headaches, high blood pressure, blood clots, breast cancer

A man and a woman decide to use the condom as their method of contraception.

Suggest **three** reasons for this decision.

Use information from **Table 2** and your own knowledge.

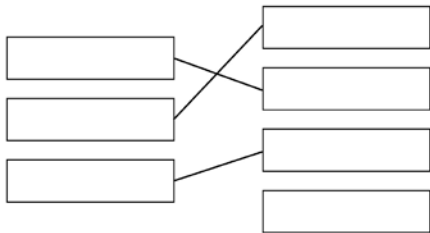
[3 marks]

1 _____

2 _____

3 _____



Question	Answers	Extra information	Mark	AO / Spec. Ref.
02.1	to allow implantation of the embryo		1	AO1 4.5.3.4
02.2	oestrogen		1	AO1 4.5.3.4
02.3	13 / 14 / 15 / 16	allow any number in range 13 to 16 allow any range within these values eg 14–16	1	AO3 4.5.3.5
02.4		extra line from a method cancels the mark	1 1 1	AO1 4.5.3.5
02.5	<p>more reliable than diaphragm / spermicidal cream</p> <p>low chance of pregnancy</p> <p>no side effects</p>	<p>allow fewer pregnancies than diaphragm / spermicidal cream</p> <p>allow only 1 more pregnancy than the pill (per 100 women per year)</p> <p>allow almost as good as the pill</p> <p>allow reference to one named example</p> <p>allow easy to get / buy</p> <p>allow easy to use</p> <p>allow prevent / reduce spread of STDs / gonorrhoea / HIV</p> <p>ignore cost</p>	1 1 1	AO3 4.5.3.5
Total			9	