

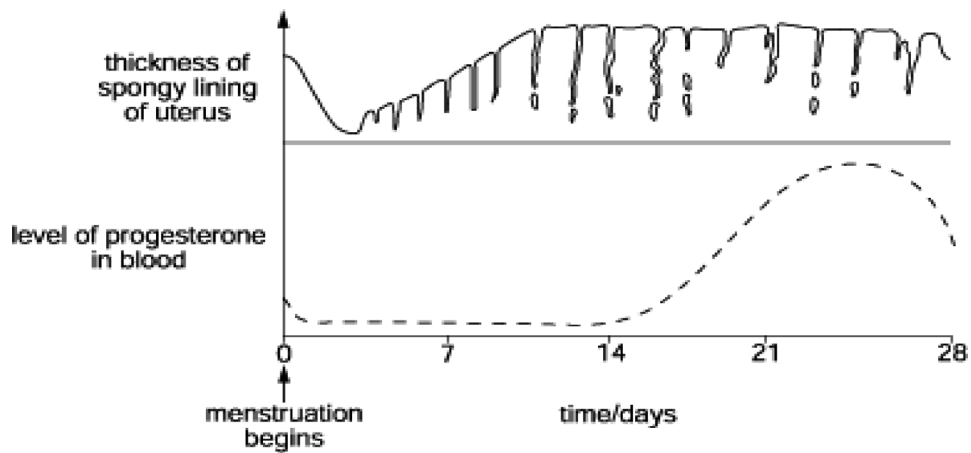
**GCSE Biology A (Gateway)**

**J247/03 B1-B3 and B7 Higher (Higher Tier)**

**Question Set 6**

1

The graph in **Fig. 1.1** shows how the level of progesterone changes during the menstrual cycle.



**Fig. 1.1**

- (a) (i) Draw another line on the lower graph to show how the level of **oestrogen** changes during the menstrual cycle.

[2]

- (ii) Describe how oestrogen and FSH interact during the menstrual cycle.

[2]

- (b)\* Endometriosis is a condition where the cells that normally line the uterus (womb) can move to other parts of the body.

During the menstrual cycle, the cells that have moved can react in the normal way to the hormones controlling menstruation. This can cause a number of problems including fatigue and pain.

Explain what happens to the cells that have moved and how doctors could treat the condition using sex hormones.

Use the information from the graph in **Fig. 1.1** and your own knowledge.

[6]

**Total Marks for Question Set 6: 10**

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