**Y11 Cycle 1 Week 3 Combined Science Homework: Extended writing questions (Separate)**

**Q1.**

The diagram shows the body's response to dehydration.



(a)  Use the diagram to help explain the body's hormonal response to dehydration.

**(4)**

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(b)  The menstrual cycle is also controlled by hormones including progesterone.

(i)  Complete the sentence by putting a cross () in the box next to your answer.

Progesterone is produced by the

**(1)**

   **A**    corpus luteum

   **B**    glomerulus

   **C**    hypothalamus

   **D**    pituitary gland

(ii)  Describe the effect of high levels of progesterone on the uterus lining during pregnancy.

**(1)**

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\*(b)  (iii)  Explain how the menstrual cycle is controlled by hormones and negative feedback.

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**(Total for question = 12 marks)**