**Human Biology – ATAR Year 11**

**Task 12** – Assessment type: Extended response

Conditions Time for the task:

• Part 1: Three days to research topic and complete notes

• Part 2: Forty minutes for in-class validation – extended response exam style question

Task weighting 3.5% of the school mark

TASK: Research the following two questions. On the 15/9/17 you will have 40 minutes to write an extended response to one of the questions. The teacher will choose which of the questions immediately before. No notes are allowed during the extended response. Research notes (5 marks)

Illustrate your answers with diagrams where appropriate. Up two marks may be deducted for poorly structured answers: that is, answers in point form or diagrams not explained in the text of your answers. **Do not write answers in pencil**. Write your answer on the lined paper provided.

Question1 (20 marks)

Describe the sequence of events and the hormonal changes that occur during the ovarian cycle in a non-pregnant women. Explain the role of the endocrine system in regulating this cycle. or

Question 2 (20 marks)

After surgical removal of her pituitary gland due to a tumour, a woman’s menstrual cycles cease. Explain how treatment with luteinizing hormone (LH) and follicle stimulating hormone (FSH) could be used to restore her menstrual cycles.

Total: 25 marks