**Year 12 ATAR Human Biology ATHBY**

**Task 4: Extended Response**

**Conditions**

Time for task:

**Part A**: You have one week to research the topic and complete notes. You **may not** use these notes for Part B.

**Part B**: 30 minutes for in class validation – examination-style extended answer question.

**Task weighting: 6 %**

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**Part A: Research Notes (5 marks)**

The role of Endocrine glands and the hormones they produce play a pivotal role in the control, function, and development of the Human body. Unfortunately due to this importance, when they do not function as required, the effects can be quite drastic.

Your task is to research the following endocrine disorders: diabetes mellitus, hypothyroidism and hyperthyroidism.

1a. Research and produce 1 A4 page of notes back and front for each disorder. (3 marks)

Your research must include:

• A general overview of the disease

• The role of associated glands and hormones- include feedback loops

• The effects on the body of the disorder

• The symptoms associated with it

• Causes

• Treatments

• Any other critical information

b. You must include your references in a standard referencing format of your choice; for example Harvard. Hand this in as a separate sheet attached to your note-taking. (2 marks)

**Part B: In-class assessment 20 marks**

Answer each part of the following question on the lined paper provided.

Responses could include clearly labelled tables and graphs; clearly labelled diagrams with explanatory notes; lists of points with linking sentences and annotated flow diagrams with introductory notes.

Question provided during class time on day of validation activity.