

## Endocrine System - Mark Scheme

### Q1.

[AO1 = 2]

**1 mark** for a correct function of the endocrine system.

- To secrete the hormones which are required to regulate many bodily functions.
- To provide a chemical system of communication via the blood stream.

**1 mark** for elaboration of how the function occurs: such as via release of the required amount of a specific hormone to promote appropriate growth or metabolism or reproduction.

### Q2.

[AO1 = 4]

**For each gland:**

**2 marks:** for identification of a gland and a clear outline of its function.

**1 mark:** for identification and / or muddled outline of function.

**Possible content:**

- thyroid gland: secretes thyroxine/increases metabolic rates and affects growth
- adrenal glands: secretes adrenaline / controls the sympathetic division in the fight or flight response
- pituitary gland: causes other glands to secrete their hormones or directly produces effects (e.g., causing the breasts to lactate).

Credit other endocrine glands, e.g., ovaries, testes.

[4]