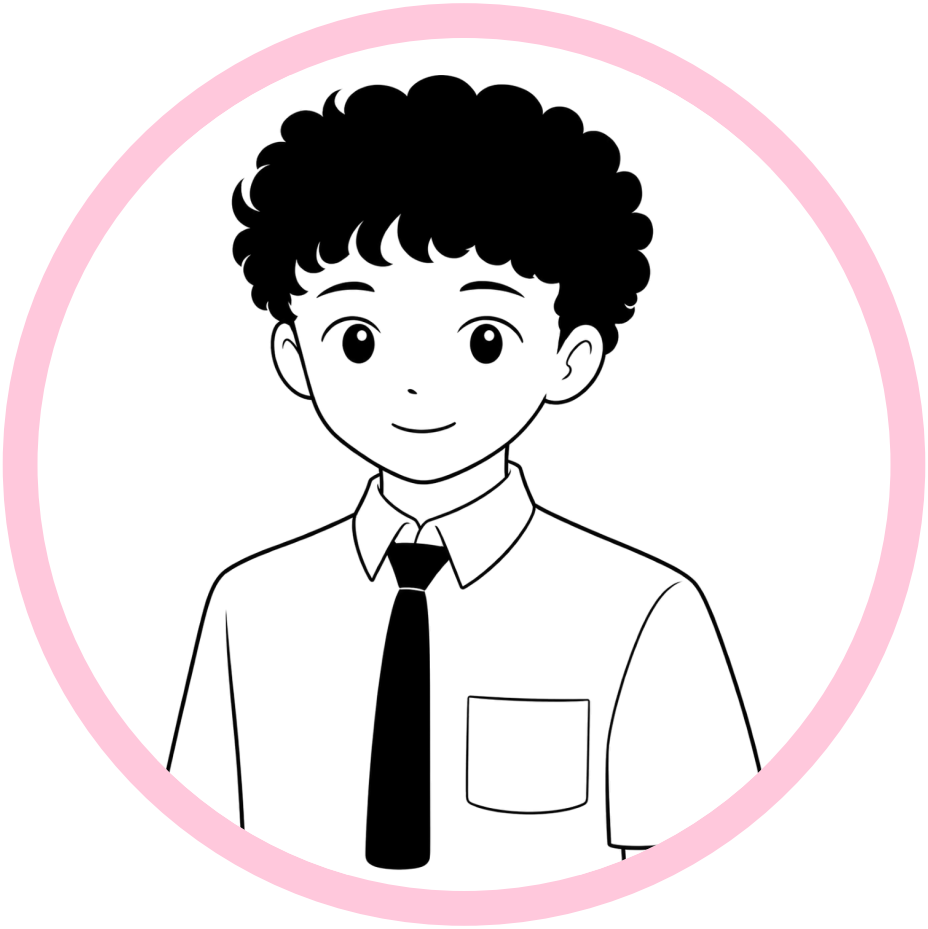
AQA A-LEVEL PSYCHOLOGY · 7182

PSYCHOLOGY



MARK SCHEME

3.2.2 THE ENDOCRINE SYSTEM

SCORE	PERCENTAGE
/10	%

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Q1.

[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]

Q2.

[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.

Q3.

[AO1 = 4]

Level	Marks	Description
2	3 – 4	Knowledge of the functions of two glands in the endocrine system is clear and mostly accurate. The answer is generally coherent with effective use of terminology.
1	1 – 2	Some knowledge of the functions of two glands in the endocrine system is evident. The answer lacks accuracy and detail. Use of terminology is either absent or inappropriate.
	0	No relevant content.

One mark each for identification of glands

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Plus

One mark each for description of functions of the glands. This may be in terms of the hormones released and either their regulation of internal organs and processes or an outline of the effects on behaviour.

Possible content

- Pituitary gland releases ACTH, vasopressin, luteinizing hormone. Controls release of hormones from other glands.

- Adrenal gland and adrenaline/noradrenaline, causing physiological changes associated with arousal, fight and flight.

Credit also other glands - pancreas and insulin, ovaries and oestrogen/progesterone, testes and testosterone.

Q1.

This question was answered well by the majority of students who attempted it. Many of these students could correctly identify two glands and the vast majority could correctly identify at least one. Students generally performed less well when outlining the function of the gland and there was some confusion, muddling and / or inaccuracy in some responses. When outlining the function of the gland, students could focus on either the hormones they secreted or on the physiological effect of those hormones. There were many responses which correctly identified and outlined the function of other glands not mentioned on the mark scheme and these were awarded full credit. Unfortunately, there was a significant minority of ‘blank’ responses where no answer was attempted suggesting that some students did not have the knowledge to enable them to answer this question.