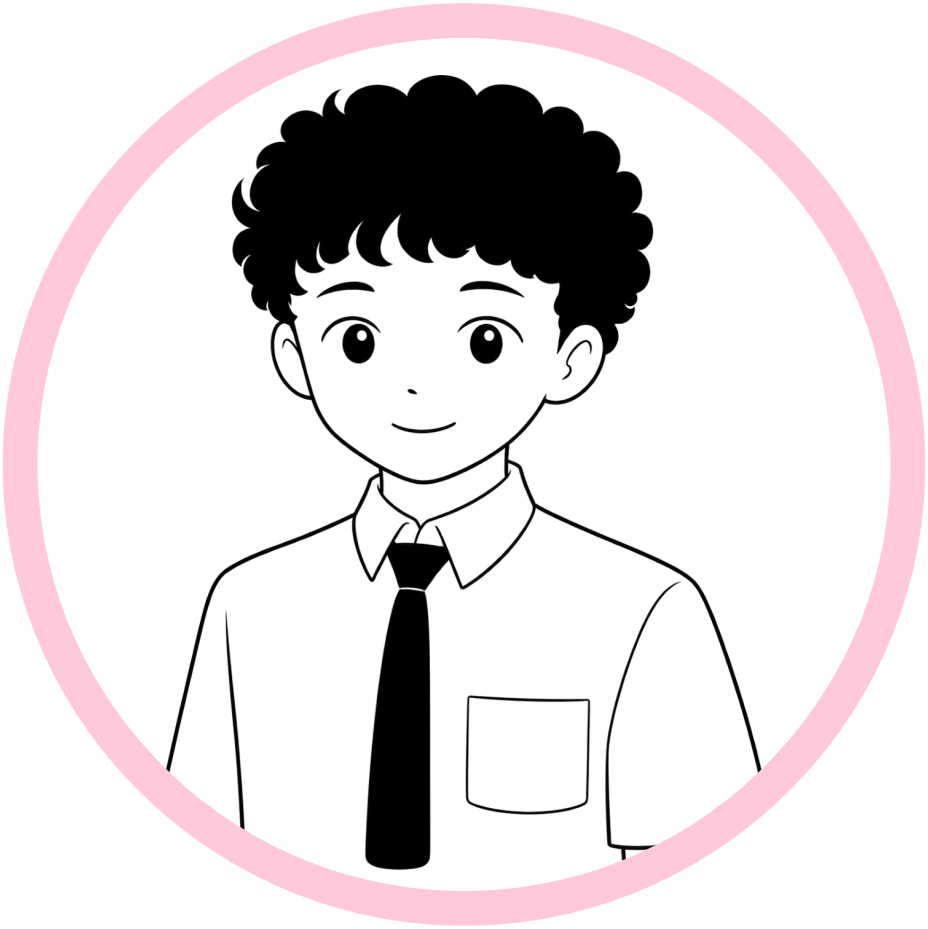
AQA A-LEVEL PSYCHOLOGY · 7182

PSYCHOLOGY



EXAM QUESTION PACK

3.2.1 THE BIOLOGICAL APPROACH

SCORE	PERCENTAGE
/32	%

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Q1.

Outline the behaviourist approach. Compare the behaviourist approach with the biological approach.

(Total 16 marks)

Q2.

A recent study showed that Alzheimer's disease may be partly inherited.

John's father suffered from Alzheimer's disease. John is keen to get genetically tested to see if he will develop Alzheimer's disease.

Explain why John's genotype will **not** reveal whether he will suffer from Alzheimer's disease.

(Total 4 marks)

Q3.

In a study of tooth decay, researchers checked the dental records of 100 pairs of identical twins. They recorded the number of fillings for each twin and found the following data:

Twin pairs with the same number of fillings	Twin pairs with different number of fillings
48	52

Use your knowledge of genotype and phenotype to explain the data in the table above.

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_____

_____

_____

(Total 4 marks)

Q4.

Rita and Holly are identical twins who were separated at birth. When they finally met each other at the age of 35, they were surprised at how different their personalities were. Rita is much more social and out-going than Holly.

Use your knowledge of genotype and phenotype to explain this difference in their personalities.

_____

_____

_____

_____

_____

_____

_____

_____

(Total 4 marks)

Q5.

A phenotype is the result of the combined effect of ….
Shade **one** box only.

A neurotransmitters and environment. ⬭

B inheritance and environment. ⬭

C genetic makeup and neurotransmitters. ⬭

D genotype and evolution. ⬭

(Total 1 mark)

Q6.

Which **one** of the following statements about evolution is **false**?
Shade **one** box only.

A Evolution involves adapting to the environment. ⬭

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B Evolution involves breeding of those best able to survive. ⬭

C Evolution involves common genetic material between species. ⬭

D Evolution involves changes in behaviour from one generation to the next. ⬭

(Total 1 mark)

Q7.

(a) What is meant by *genotype*?

_____

_____

(1)

(b) What is meant by *phenotype*?

_____

_____

(1)

(Total 2 marks)

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