OCR GCSE 21ST CENTURY BIOLOGY B · J257

BIOLOGY



EXAM QUESTION PACK

B2.1 WHAT ARE THE CAUSES OF DISEASE? (HIGHER)

SCORE	PERCENTAGE
/8	%

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1. Cancer is a non-communicable disease.

(i) Describe what causes cancer.

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[2]

(ii) Identify **one** factor that could increase a person's risk of developing cancer.

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[1]

(iii) In the past it has been estimated that 1 in 3 people will develop cancer in their lifetime.

Recent estimates suggest the ratio is 1 in 2.

The UK population is 65 640 000.

If the **recent estimate** is correct, how many people can be expected to develop cancer?

Give your answer to **2** significant figures.

Number of people = ... **[2]**

(iv) Suggest why the figure calculated in **(iii)** will be an estimation.

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[1]

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2. Plants can be infected by diseases caused by pathogens.

The plant disease ash dieback was first recorded in the early 1990s in Poland.

Since then, many thousands of trees in northern Europe have become infected.



Ash dieback was first found in eastern parts of Great Britain (GB) in 2012, and has been spreading across the country ever since.

Suggest **two** ways in which ash dieback could have been spread from mainland Europe to Great Britain.

1 ----------

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2 ----------

---------- [2]

END OF QUESTION PAPER

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