

# ECOSYSTEMS

## Foundation 2003

**10 Ecosystems Total for this question: 15 marks**

(a) Study Figure 1, the Ordnance Survey map extract of Perth.

(i) Study the distribution of coniferous woodland on the Ordnance Survey map extract.

Tick the boxes to show whether the following statements are true or false.

The coniferous woodland is mostly found on sloping land.

The coniferous woodland is found only in the flattest areas of land.

The coniferous woodland tends to avoid the very steep slopes in the north east of the map extract.

(3 marks)

(ii) Describe how conifers are adapted to survive in a cold climate with strong winds.

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(3 marks)

(b) Study Figure 15, a flow chart showing the causes of desertification.

(i) Insert the following statements into the correct boxes in Figure 15:

overgrazing

more people

vegetation destroyed. (2 marks)

(ii) What is desertification?

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(1 mark)

(iii) Using Figure 15, explain how increasing numbers of livestock may cause desertification.

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(2 marks)

(iv) Describe how desertification can be prevented or reduced.

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(4 marks)