

Cambridge International Examinations

Cambridge Pre-U Certificate

GEOGRAPHY (PRINCIPAL)

9768/04

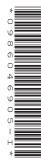
Paper 4 Research Topic

May/June 2016 1 hour 30 minutes

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READ THESE INSTRUCTIONS FIRST

This Insert contains all the Figures referred to in the Question Paper.



The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 3 Pre-U Certificate.

This document consists of 10 printed pages and 2 blank pages.



Fig. 1 for Question 1

Survival rates of new ash and sycamore saplings in a woodland near Thetford, England, over a 5-year period

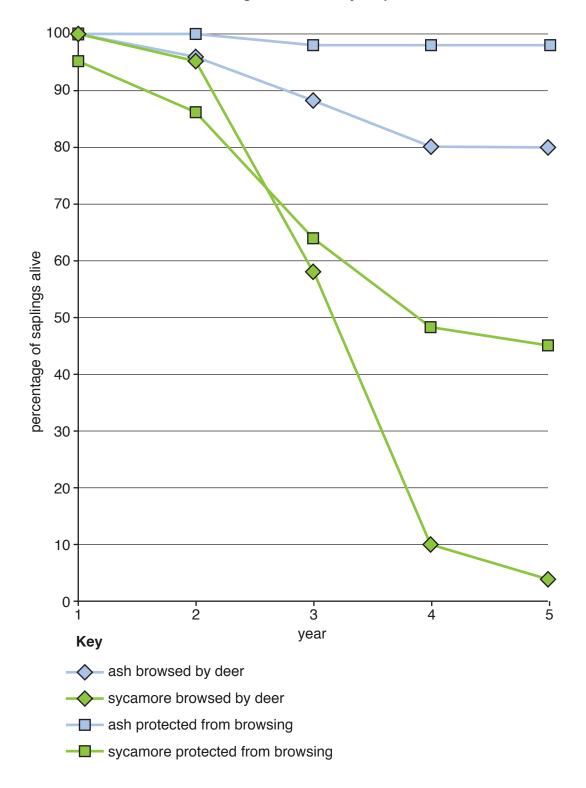
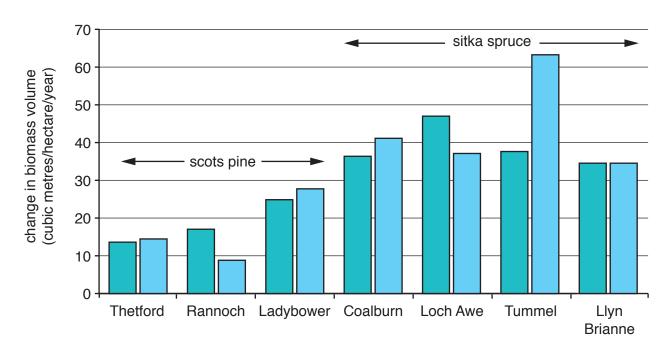


Fig. 2 for Question 1

The change in biomass volume of newly planted scots pine trees and sitka spruce trees at selected sites in the UK between 1995 and 2004



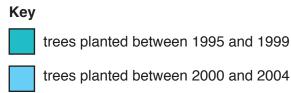
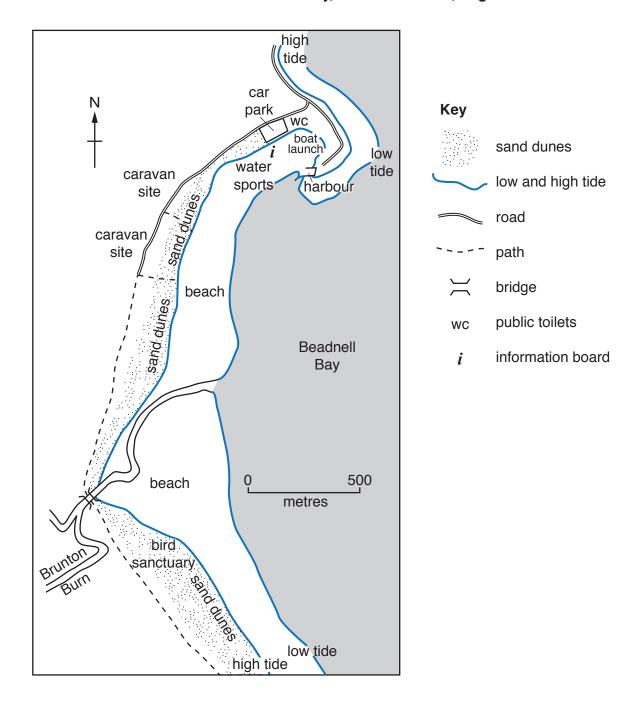


Fig. 3 for Question 2

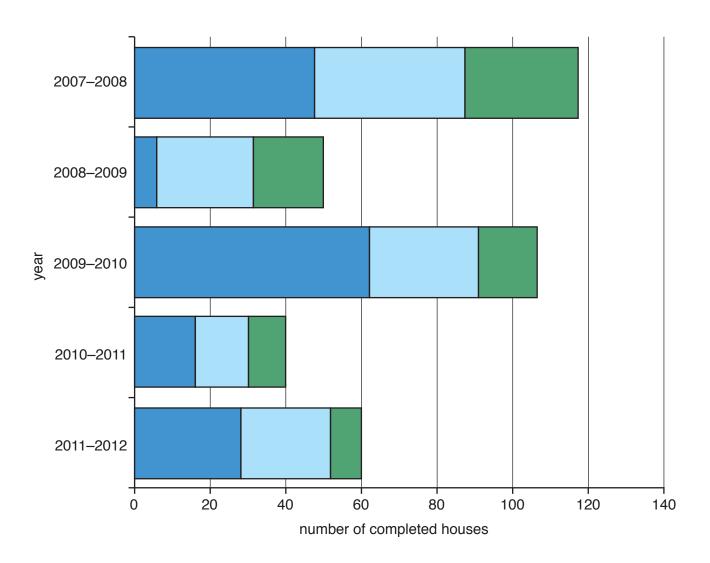
Sand dunes at Beadnell Bay, Northumberland, England



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Fig. 4 for Question 5

Number of new housing completions in the Lake District National Park, England, 2007 to 2012



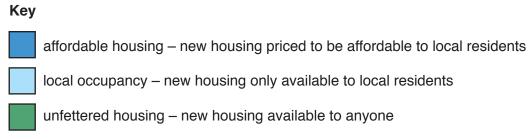


Fig. 5 for Question 5

People who have a second address in a local authority area in Wales, but who are usually resident in a different local authority in England and Wales, 2011

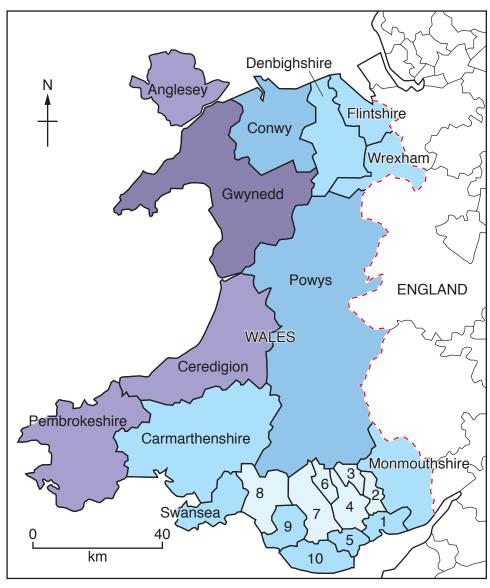
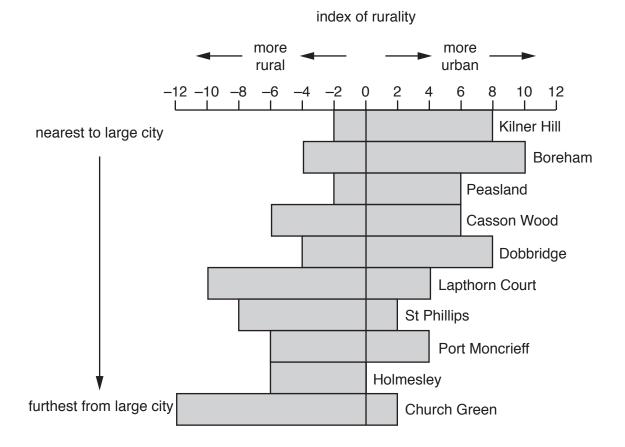




Fig. 6 for Question 6

Index of rurality for selected villages along a transect leading from the edge of a large UK city into the surrounding rural area



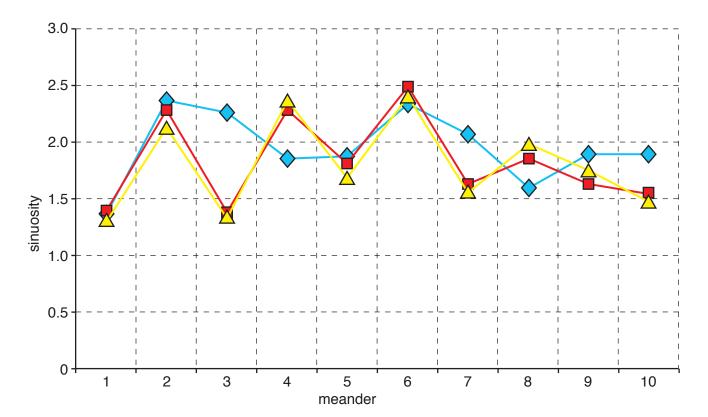
The index of rurality measures the urban and rural characteristics of the selected villages.

An extremely rural village will have a score of -12 for rural and 0 for urban characteristics.

An extremely urban village will have a score of 0 for rural and +12 for urban characteristics.

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Fig. 7 for Question 9
Sinuosity index for 10 meanders along the course of a river, 1997 to 2010



Sinuosity index is the ratio between the distance along a river between 2 points and the straight line distance between the 2 points.

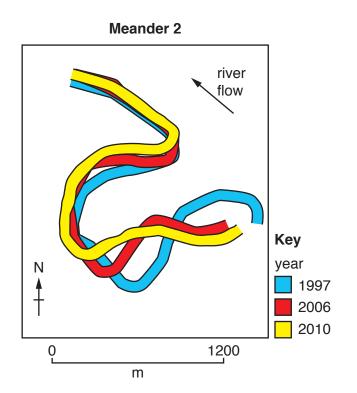
A completely straight river would have a sinuosity index of 1.

A typical meandering river would have a sinuosity index of 1.5 or greater.



Fig. 8 for Question 9

Meanders 2 and 3 in 1997, 2006 and 2010



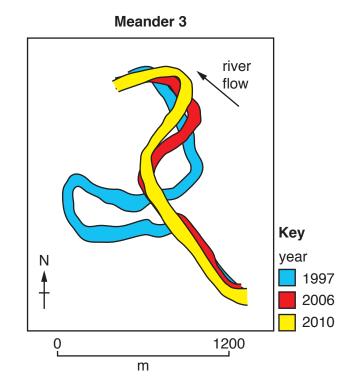
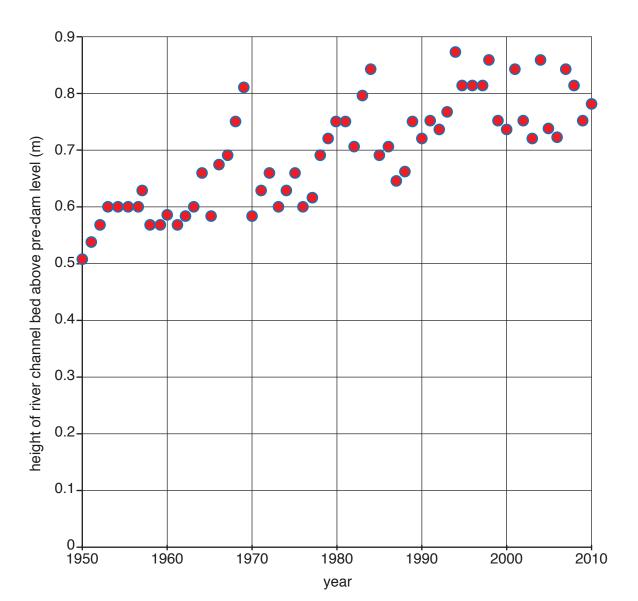


Fig. 9 for Question 10

Height of a river channel bed upstream of a new dam, 1950 to 2010



The dam was completed in 1948. Heights shown are in metres above the pre-dam level of the river channel bed.

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