Chapter 5: River processes and landform

QUESTION 1: Cambridge IGCSE Geography 0460/01 Q4 November 2008

(a) Study Figs 7A, 7B and 7C. These are block diagrams of a river in three parts of its valley.
(i) In which figure, 7A, 7B or 7C, is the volume of the river likely to be the largest? [1]

(ii) Describe two differences in the shape of the valley cross-sections shown in Figs 7A and 7B. [2]

(iii) Give three processes by which the river is likely to carry out erosion in Fig. 7A. [3]

(iv) Describe the processes by which a river is likely to transport eroded materials. [4]

(b) Study Photograph A (below) which shows a waterfall, the Montmorency Falls, near Quebec City, Canada.

(i) Describe the natural features of the waterfall shown in the photograph. [3]

(ii) Explain how the waterfall may bring both benefits and problems for local people. [5]

(c) For a named river which you have studied, explain the causes of flooding. [7]

[Total: 25 marks]
QUESTION 2: Cambridge IGCSE Geography 0460/02 Q4 November 2005

(a) Photograph A (below) shows part of the Fish River valley in Namibia. Describe the physical features of the valley shown in the photograph. [5]

(b) Study Fig. 4 which shows a feature found in the lower course of a river.

(i) Name the river feature found at A and that found at B on the diagram. [1]

(ii) Describe how stream velocity varies in the river cross-section labelled A–B. [2]