

**ADVANCED SUBSIDIARY GCE
GEOGRAPHY A**

The Physical Environment

INSERT

TUESDAY 20 MAY 2008

2680/I

Afternoon

Time: 1 hour 15 minutes



INSTRUCTIONS TO CANDIDATES

- Do not hand in this Insert at the end of the examination. It is not required by the Examiner.

This document consists of **7** printed pages and **1** blank page.

Fig. 1 The relationship between size of drainage basin and mean discharge of selected British rivers

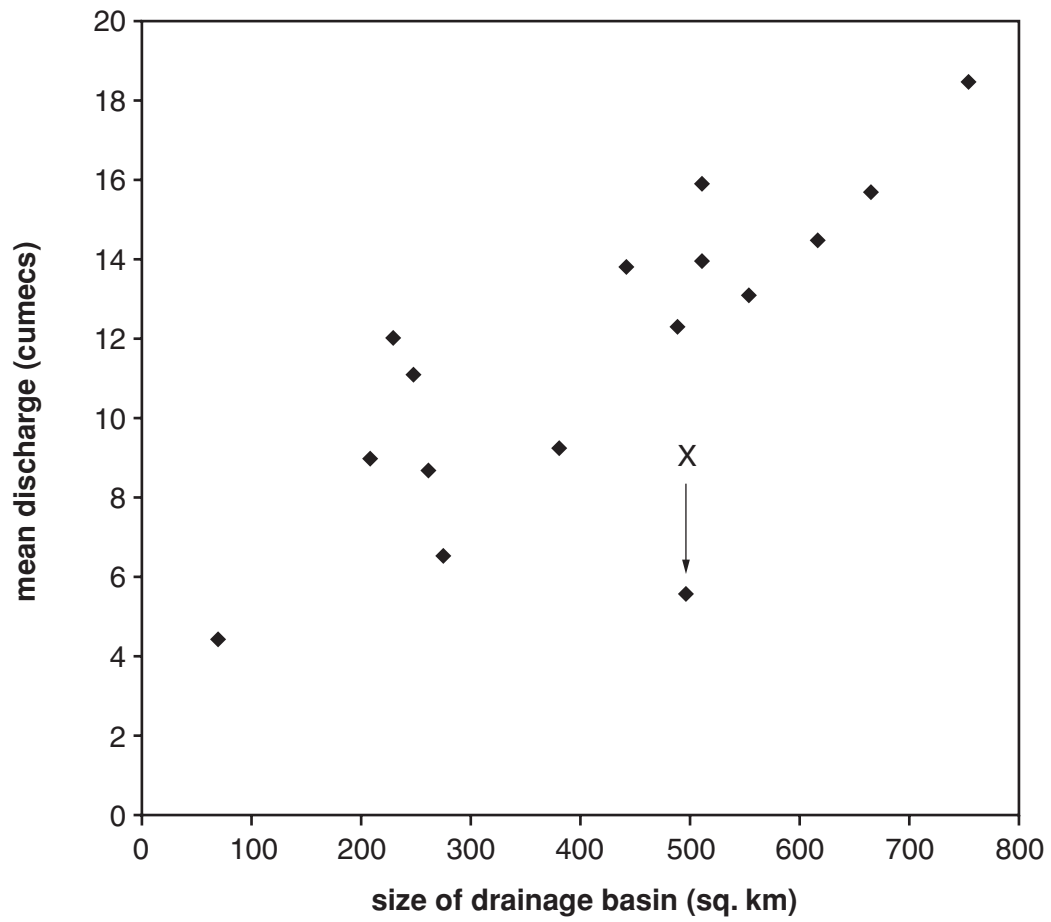


Fig. 2 Vegetation and soil changes along a dune transect

| | | | | | | | | |
|-----------------------------------|-----------------|--------|-------------------------------------|------------|----------------------------------|------------|-------------------------------|-----------------------|
| Site number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Distance from the sea (m) | 20 | 80 | 170 | 250 | 410 | 500 | 650 | 980 |
| No. of species | 1 | 1 | 5 | 11 | 5 | 18 | 7 | 3 |
| dominant species (over 20% cover) | sea couch grass | marram | marram red fescue rest harrow | red fescue | creeping willow sea buckthorn | red fescue | red fescue creeping willow | Corsican pine moss |
| Soil pH | 8.1 | 7.7 | 7.6 | 7.1 | 5.9 | 6.0 | 6.2 | 4.5 |
| % CaCO ₃ content | 8 | 8 | 5 | 1 | <0.1 | 0.5 | <0.1 | <0.1 |

Fig. 3 The global energy budget by latitude

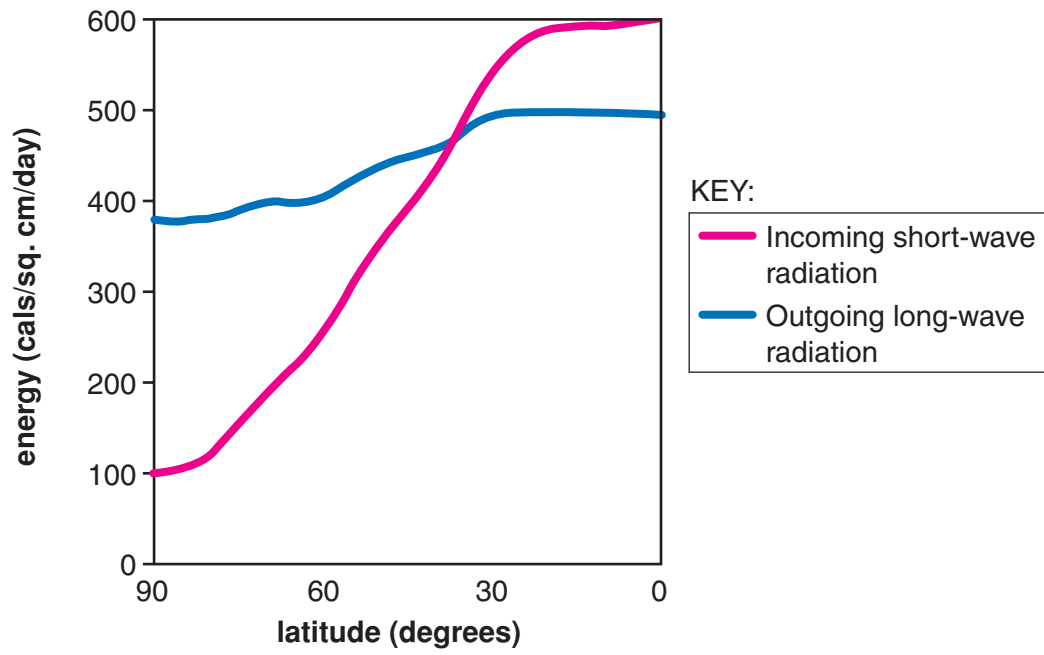


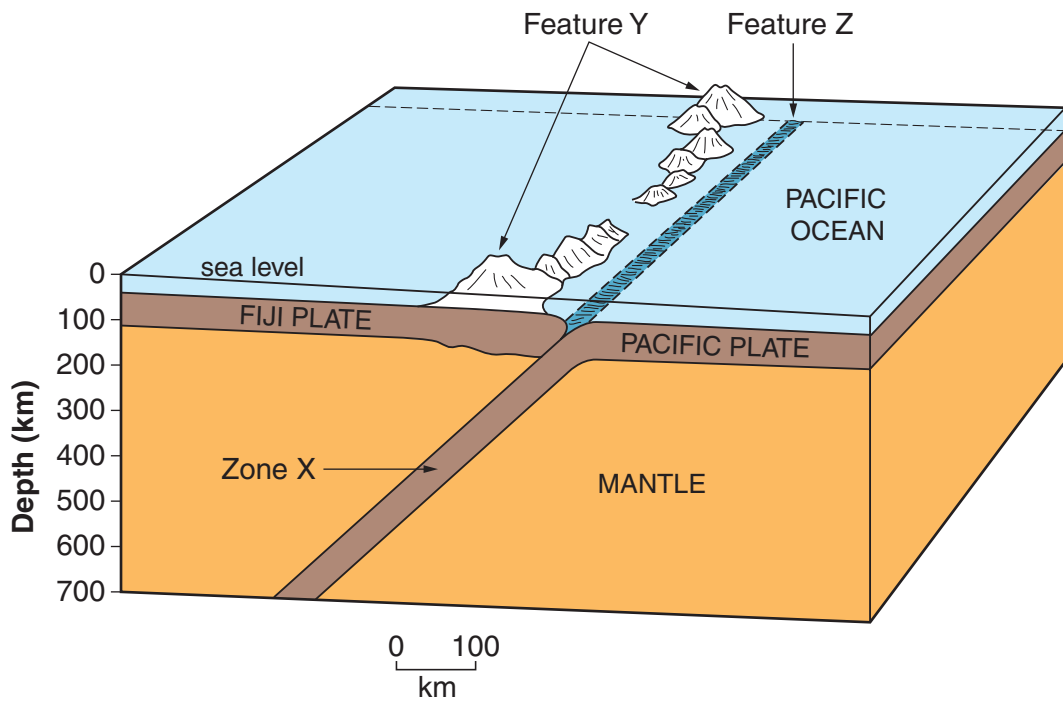
Fig. 4 A valley slope in Shropshire



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River channel

Fig. 5 A tectonic plate boundary in the Pacific Ocean



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Fig. 2 data Source: *The Sands of Time*, Liverpool Hope University College, www.sandsoftime.hope.ac.uk

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