

PIONEER JC
PRELIMINARY EXAMINATION 2015



GEOGRAPHY
Higher 2

9730/01

INSERT 1

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READ THESE INSTRUCTIONS FIRST

This Insert contains all the Figures referred to in the questions

This document consists of **6** printed pages.

Fig. 1A for Question 1

The extent of lava flows from the Mauna Loa volcano, Hawaii, USA, since 1843

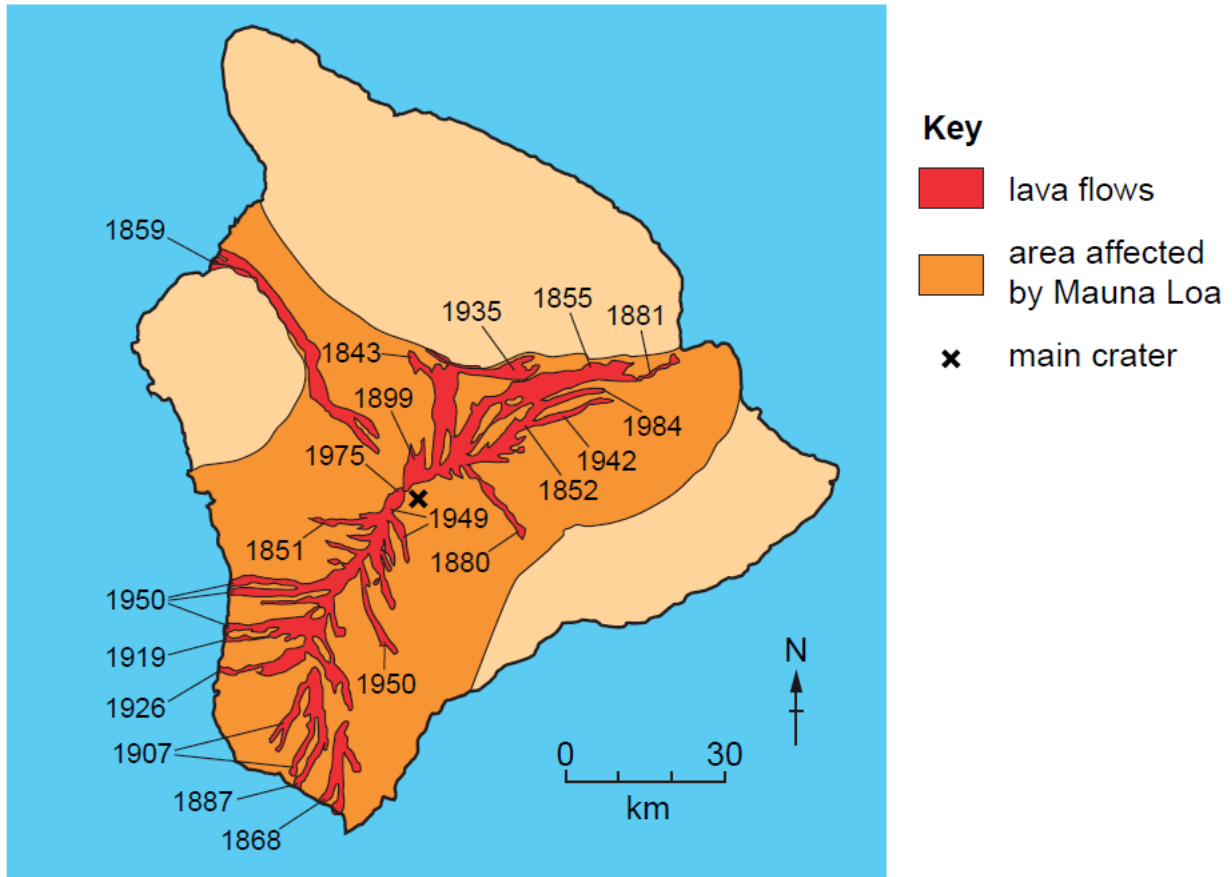


Fig. 1B for Question 1

Hazard map for Mauna Loa volcano, Hawaii

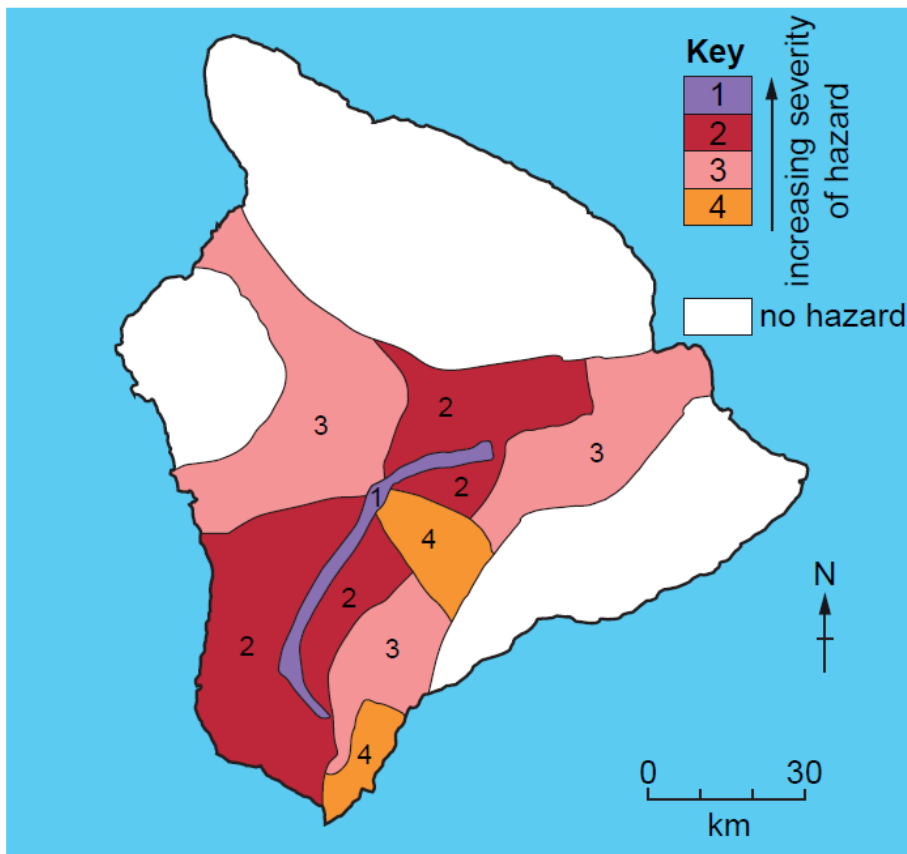
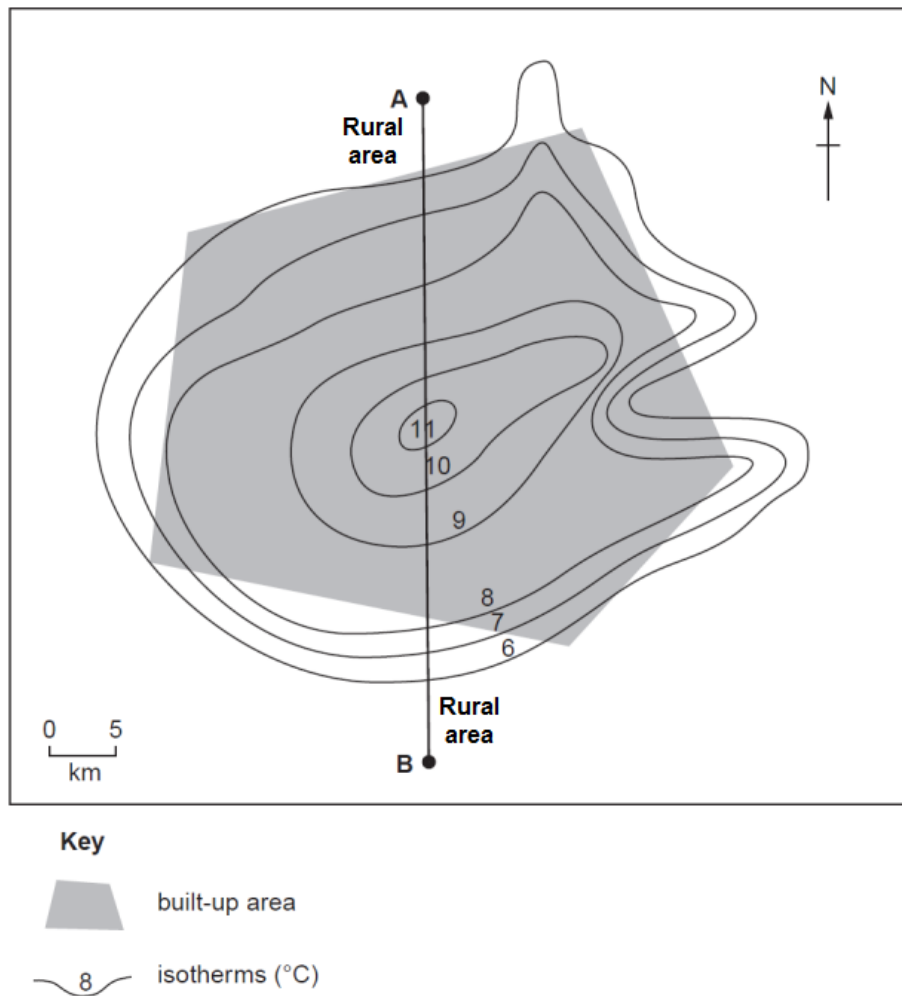


Fig. 2A for Question 2

Mean night time temperatures in a large city and the surrounding rural area in the UK, March 2009

**Fig. 2B for Question 2**

Night time temperatures along the section from A to B

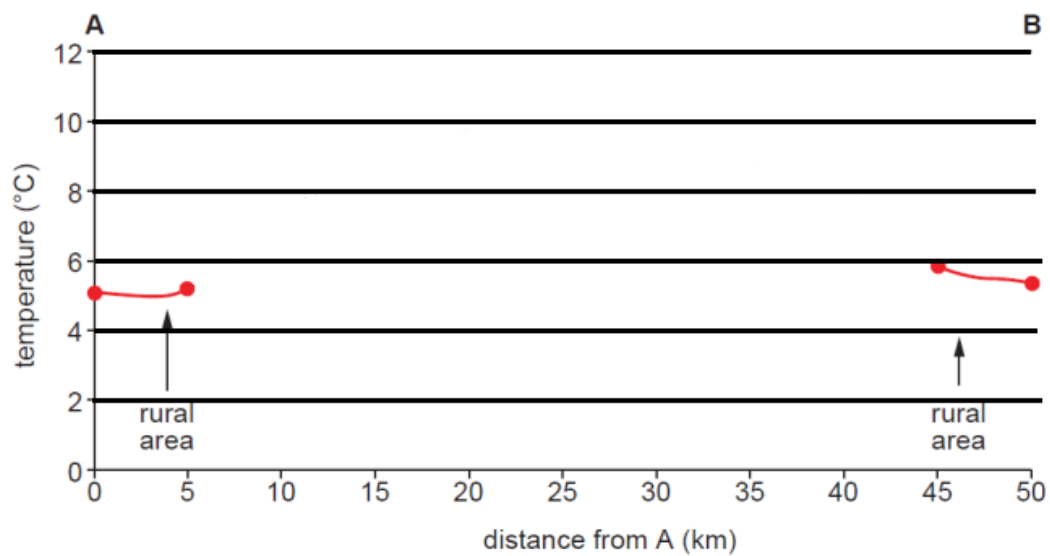
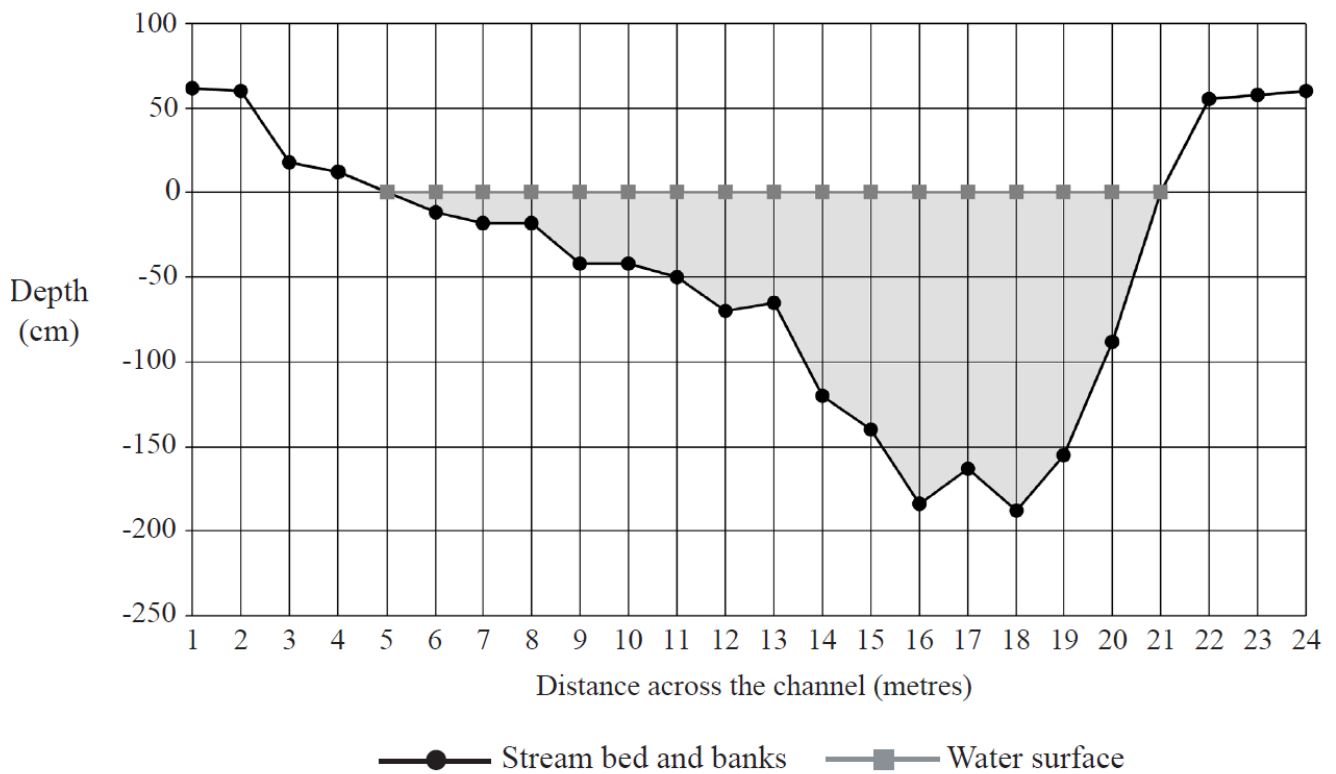


Fig. 3 for Question 3**Table 1 for Question 3**

| Distance in metres across the channel | Mean velocity (m/sec) | Mean bedload size (mm) | Description |
|---------------------------------------|-----------------------|------------------------|-------------|
| 1 | * | * | * |
| 2 | * | * | * |
| 3 | * | * | * |
| 4 | * | * | * |
| 5 | 0.00 | 0.4 | sand |
| 6 | 0.12 | 0.4 | sand |
| 7 | 0.14 | 0.8 | sand |
| 8 | 0.18 | 0.8 | sand |
| 9 | 0.24 | 1.2 | gravel |
| 10 | 0.36 | 2.4 | gravel |
| 11 | 0.28 | 1.8 | gravel |
| 12 | 0.34 | 12.2 | pebbles |
| 13 | 0.42 | 15.5 | pebbles |
| 14 | 0.52 | 120.5 | cobbles |
| 15 | 0.74 | 134.8 | cobbles |
| 16 | 1.22 | 240.2 | cobbles |
| 17 | 0.94 | 525.6 | boulders |
| 18 | 1.15 | 510.2 | boulders |
| 19 | 0.84 | 404.4 | cobbles |
| 20 | 0.78 | 70.6 | pebbles |
| 21 | 0.00 | 28.6 | pebbles |
| 22 | * | * | * |
| 23 | * | * | * |
| 24 | * | * | * |

Fig. 4A for Question 4

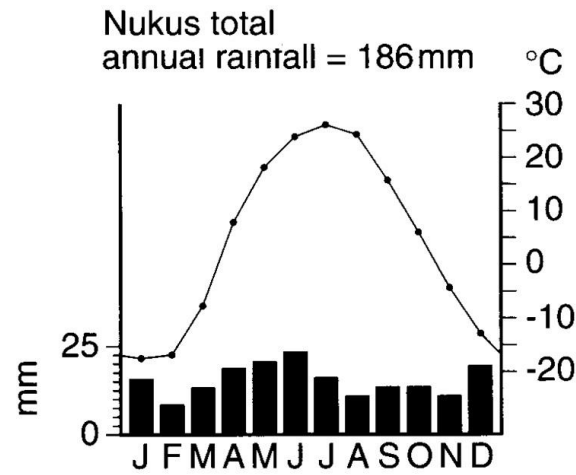


Fig. 4B for Question 4

Changes to the surface area of the Aral Sea

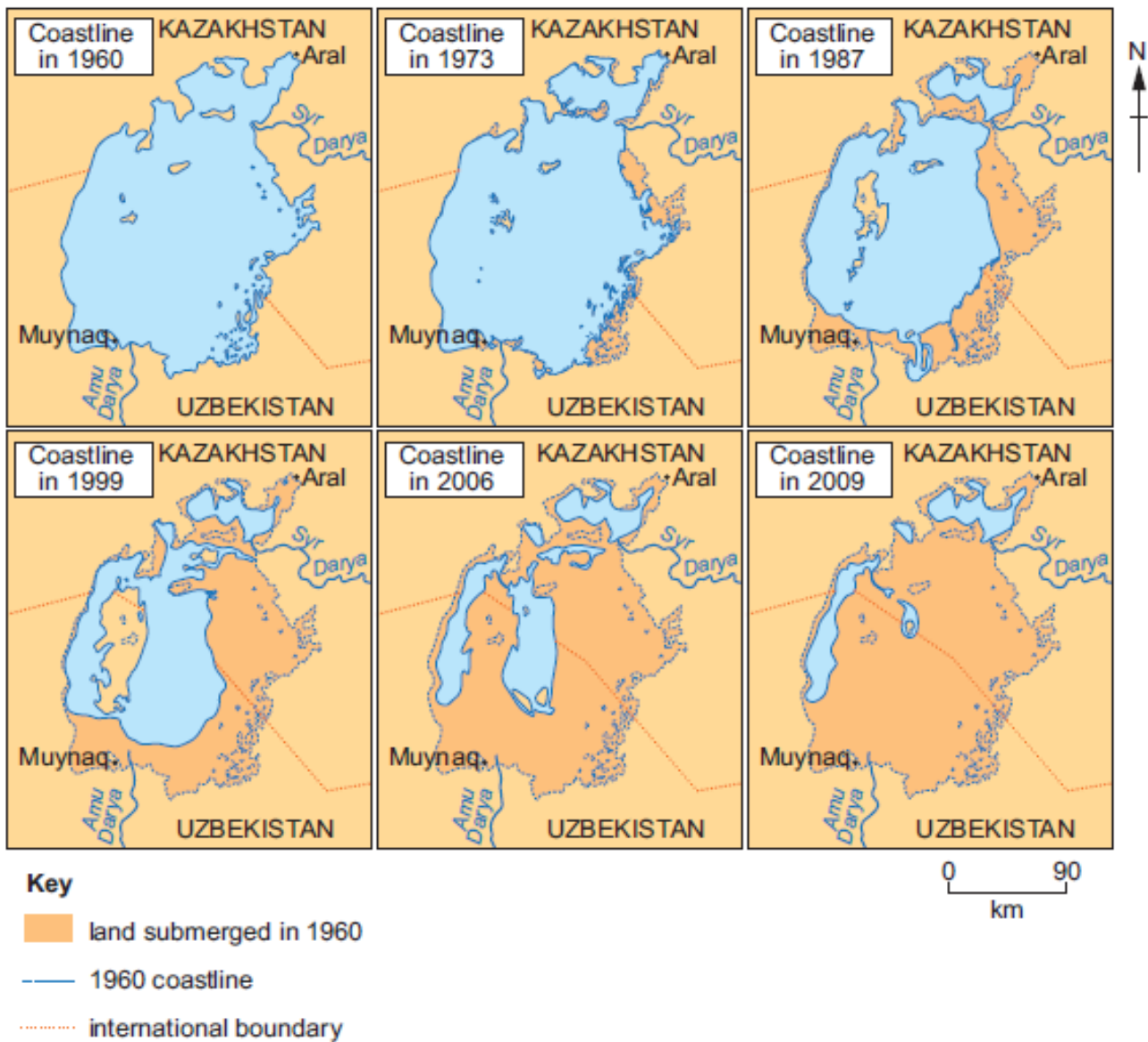


Fig. 4C for Question 4

The area surrounding the Aral Sea

