

PIONEER JC
PRELIMINARY EXAMINATION 2015



GEOGRAPHY
Higher 2

9730/01

INSERT 1

3 hours

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

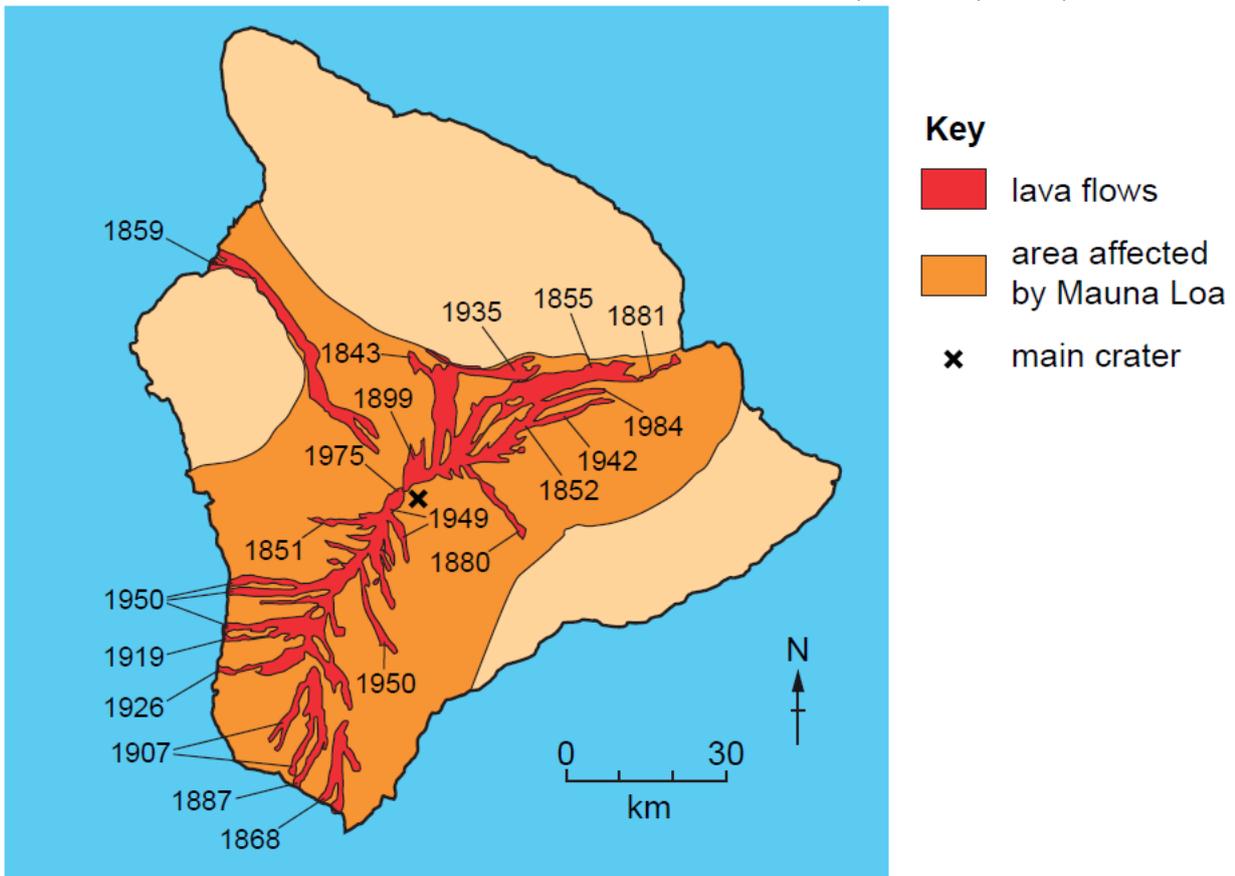


Fig. 1B for Question 1
Hazard map for Mauna Loa volcano, Hawaii

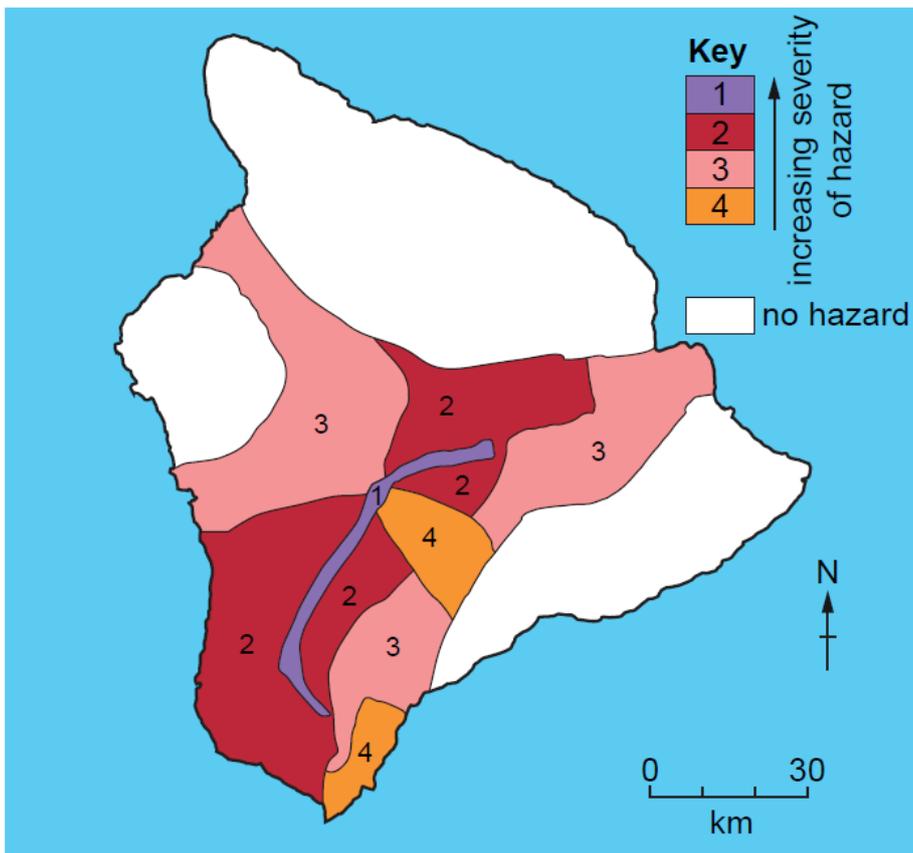


Fig. 2A for Question 2

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

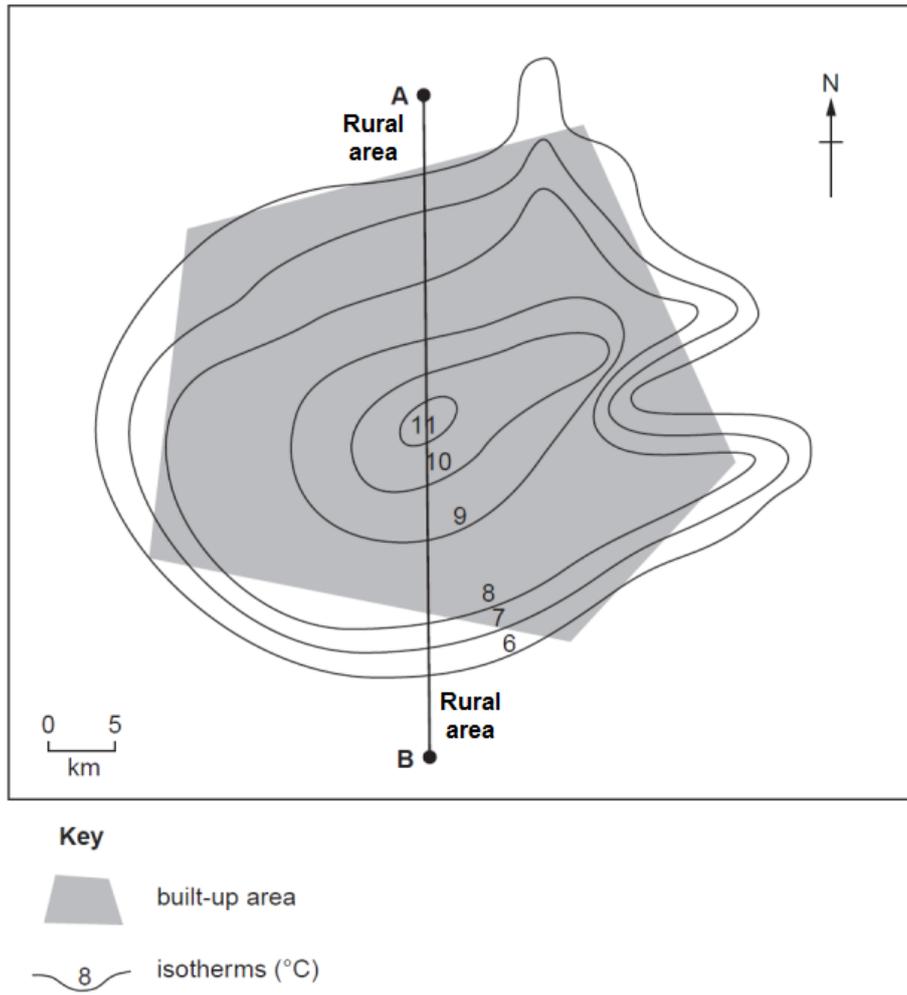


Fig. 2B for Question 2

Night time temperatures along the section from A to B

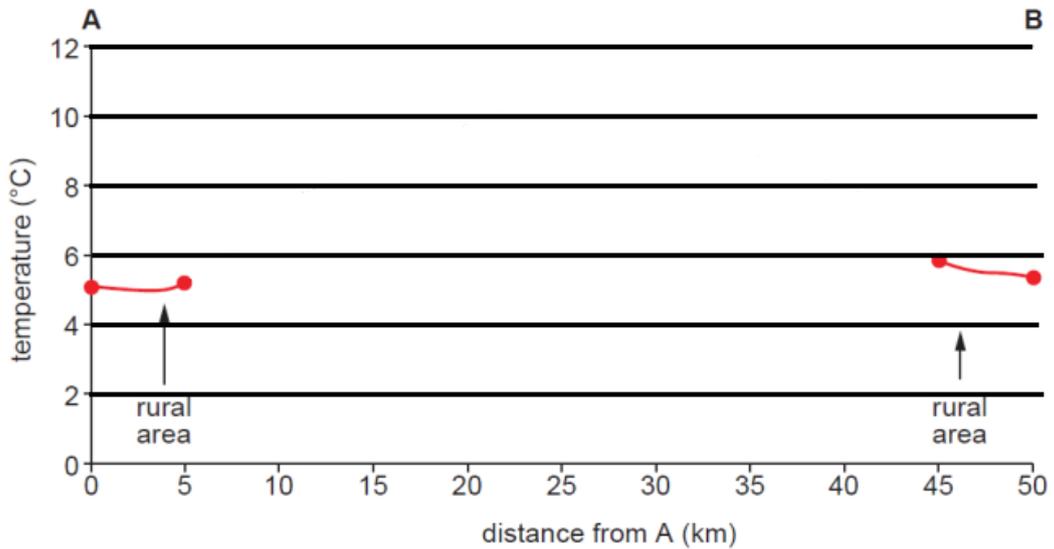


Fig. 3 for Question 3

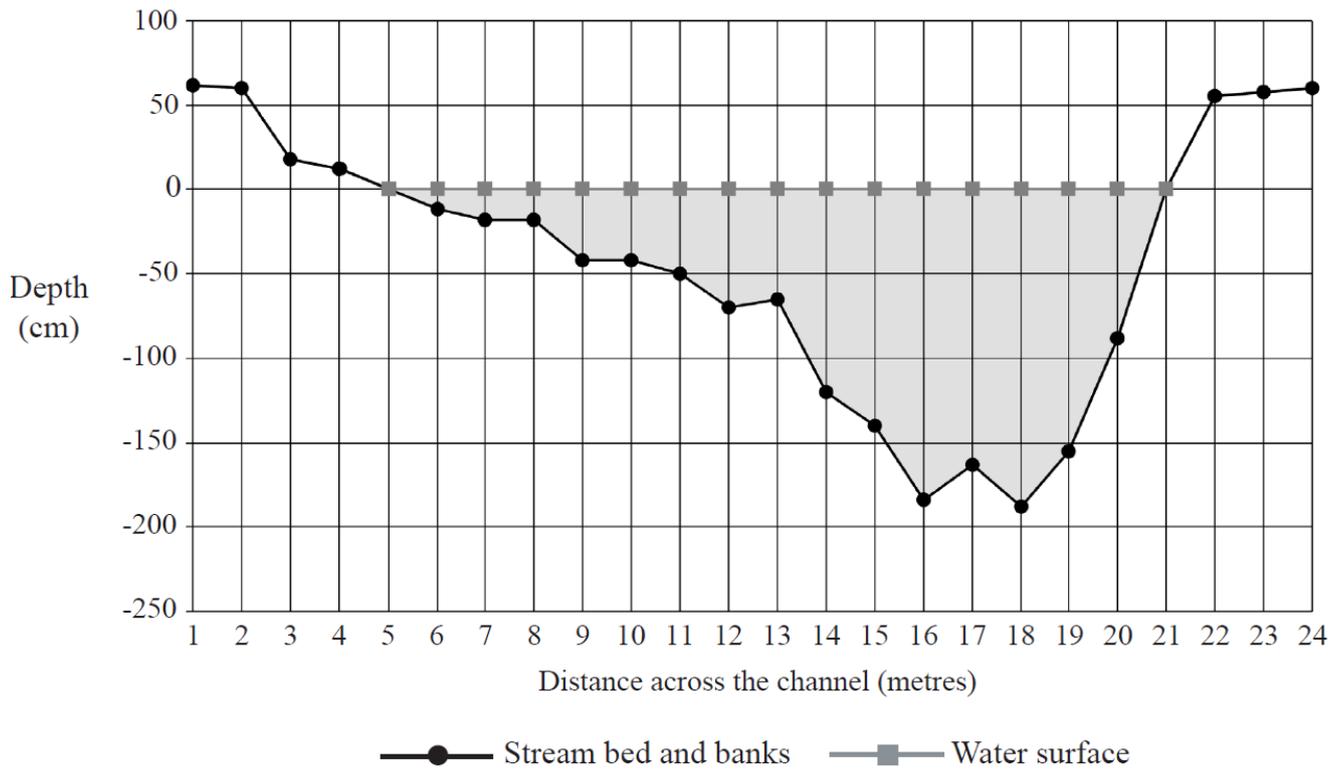


Table 1 for Question 3

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

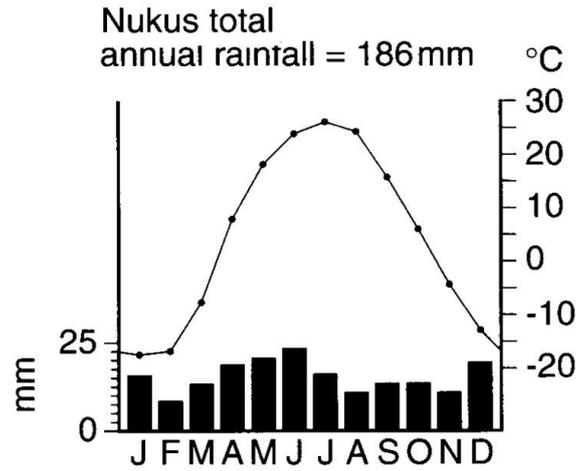


Fig. 4B for Question 4

Changes to the surface area of the Aral Sea



Key

- land submerged in 1960
- 1960 coastline
- international boundary

0 90
km

Fig. 4C for Question 4

The area surrounding the Aral Sea

