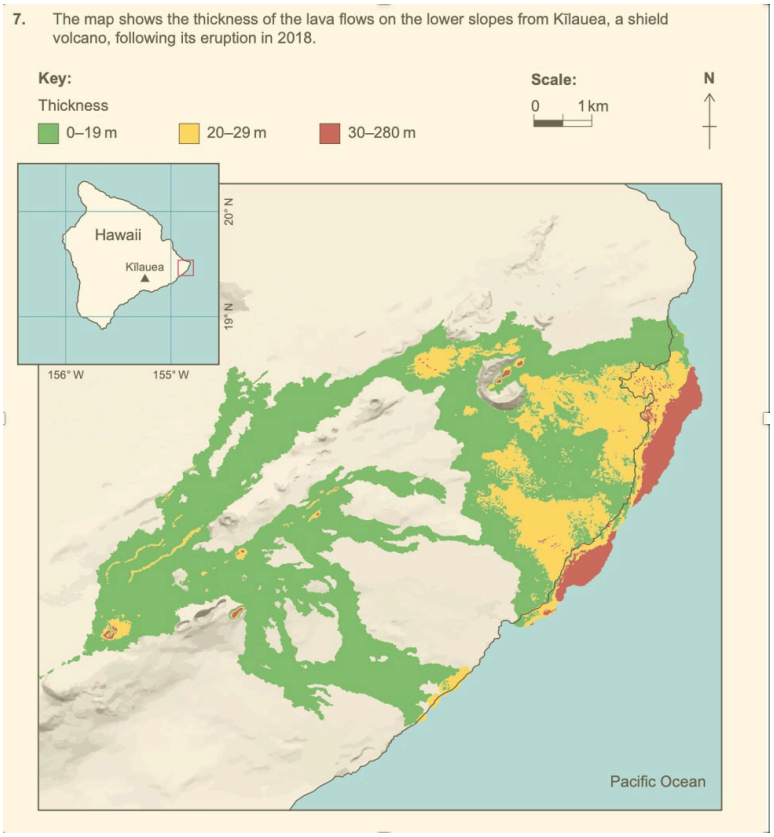
Geography Paper 1
Leak Asia

PL Vaults

All we have: sections A, D, E, G.

Sec. A
1. state why traffic congestion may occur at the monument based on the graph grid
2. on the map state direction from the monument to another location
3. possible recent change in urban function
4. Exlpain physical factor and human factors that impact pattern of residential development in a post-industrial city.
a. Evaluate contribution eco city design could make to the management of urban challenges in nearest future
b. evaluate deindustrialization impacts and how did it help to urban areas and communities



Section D

Option D — Geophysical Hazards

7. (a) (i) State the lava thickness that covers the largest area. **[1]**

0-19 (m) (*only answer*)

(ii) State the line of longitude nearest to the lava flow. **[1]**

155 ° W *(must have W)*

(b) Outline **one** reason why the lava from a shield volcano spreads over a wide area. **[2]**

*Award **[1]** for a valid reason and **[1]** for development.*

For example: The magma is low in silica and gas/non-explosive/basaltic **[1]** and produces thin runny/low viscosity lava **[1]**.

(c) Explain how **two** different communications technologies can help with the post-event management of geophysical hazards. **[3+3]**

*Award **[1]** for stating a valid communications technology and up to **[2]** for development/explanation.*

For example: Use of phone/laptop **[1]** enables information to be posted about missing children **[1]** allowing users to track and find children **[1]**.

Other possibilities include:
- Drones – to envisage damage caused by hazards
- Satellite images/remote sensing – to map hazards
- Disaster management plan via internet/computer technology
- Social media

D – Was almost identical to past exam

Option D — Geophysical hazards

Answer the following question.

7. Refer to the map on page 4 of the accompanying resource booklet.

The map shows the thickness of the lava flows on the lower slopes from Kīlauea, a shield volcano, following its eruption in 2018.

(a) (i) State the lava thickness that covers the largest area. [1]

(ii) State the line of longitude nearest to the lava flow. [1]

(b) Outline **one** reason why the lava from a shield volcano spreads over a wide area. [2]

(c) Explain how **two** different communications technologies can help with the post-event management of geophysical hazards. [3 + 3]

Answer either part (a) or part (b).

Either

8. (a) Examine the importance of physical **and** human factors in increasing mass movement events. [10]

Or

8. (b) Examine how economic **and** social factors may reduce the vulnerability of communities to geophysical hazard risk. [10]

End of Option D

E

1.identifying types of buildings

2.height difference for 2 rejions on a topographic map

3.Justify using a specific are on the map for a celebration

4.How can the government magnify the resilience on the site in the rural areas

discuss and evaluate for stakeholders to get involved in transactional tourist expansion
explain how economics development of an area is related to popularity of the area

Describe distribution of areas in extreme drought shown
Outline one economic impact of drought on environemnt
Explain ways in which local communities could improve the sustainability of water util

Examine the reasons why the management of water resources within drainage basins is more important with time

In increasing the risk of flooding in different places which are important human factors or physical factors

Sec G.
Estimate the thickness, in km, of the ice
Estimate the width, in km, of the ice
What are the challenge that remoteness causes for resource development in extreme conditions

What is the impact of increasing tourism in extreme environments
positive social/economic impact
negative environmental impact

A) evaluate the challenges of managing the impacts of global climate change in hot conditions
B) To what extent are freezethow processes important factor in the formation of periglacial landscape