



GOVERNMENT OF SAMOA

STUDENT EDUCATION NUMBER

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Samoa Secondary Leaving Certificate

GEOGRAPHY

2024

QUESTION and ANSWER BOOKLET

Time allowed: 3 Hours & 10 minutes

INSTRUCTIONS

1. You have 10 minutes to read **before** you start the exam.
2. Write your **Student Education Number (SEN)** in the space provided on the top right-hand corner of this page.
3. **Answer ALL QUESTIONS.** Write your answers in the spaces provided in this booklet.
4. If you need more paper to write your answers, ask the Supervisor for extra paper. Write your SEN on all extra sheets used and clearly number the questions. Attach the extra sheets to the appropriate places in this booklet.

STRANDS		Pages	Time (min)	Weighting
STRAND 1	PHYSICAL ENVIRONMENT	2 – 9	36	20
STRAND 2	RESOURCES AND THEIR USES	10 – 16	36	20
STRAND 3	POPULATION AND SETTLEMENT	17 – 23	36	20
STRAND 4	GLOBALISATION AND TOURISM	24 – 30	36	20
STRAND 5	ENVIRONMENTAL ISSUES	31 – 36	36	20
	TOTAL		180	100

Check that this booklet contains pages 2-37 in the correct order and that none of these pages are blank.

HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

For Questions 1 to 6, choose and write the LETTER of the correct answer in the smaller box provided.

Use Resource 1 below and your knowledge to answer Question 1.

Resource 1

Effects of a natural hazard that occurred in Samoa



Source: Humanitarian Crises News, Al Jazeera

1. Which of the following natural disasters occurred in Samoa in 1990, 1991, 2004, 2012 and 2020?

- A. Cyclones
- B. Tsunami
- C. Volcano
- D. Flooding

SL 1

Use Resource 2 below and your knowledge to answer Questions 2 and 3.

Resource 2

Scores killed by Natural Hazards in Samoa



Source: New York Times

2. Which **ONE** of the following natural hazards, is accompanied by violent vibrations of the Earth's surface and is usually followed by a release of energy in the earth's crust?

- A. Earthquake
- B. Volcano
- C. Land slide
- D. Tropical cyclone

☐

SL 1

3. In 2009, a Natural hazard occurred midway between Samoa and American Samoa that claimed the lives of 149 Samoans, 34 American Samoans and 9 Tongans. What was that Natural hazard?

- A. Cyclones
- B. Tsunami
- C. Volcano
- D. Flooding

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SL 1

Use Resource 3 below and your knowledge to answer Question 4.

Resource 3

Impact of a natural hazard on Samoa



Source: MNRE, <https://www.mnre.gov.ws/wp-content/uploads/2017/08/Samoa-national-disaster-management-plan-2017-2020-final-web.pdf>

4. Similar to most nations in the Pacific, Samoa has a government agency responsible for natural hazard risk reduction, response, recovery, and monitoring. The relevant agency is under which **ONE** of the following government Ministries?

- A. Ministry of Natural Resources and Environment.
- B. Ministry of Police and Prisons.
- C. Ministry of Health.
- D. Samoa Fire and Emergency Services Authority.

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SL 1

5. In order to reduce the effects of natural disasters on property, human life and livestock, which **ONE** of the following actions can be done when the community comes together to plan ahead?

- A. Use building codes.
- B. Early warning systems.
- C. Evacuation procedures.
- D. Disaster preparedness.

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SL 1

Resource 4

A Geomorphological
B Hydrological
C Climatological
D Biogeographical
E Pedological

The diagram illustrates the interaction of five geographical factors (A-E) on a mountain landscape. A legend on the left defines the factors: A (Geomorphological), B (Hydrological), C (Climatological), D (Biogeographical), and E (Pedological). The diagram shows a mountain with a peak (A), a lake (B), a sun (C), a wind arrow (C), a forest (D), and a rocky slope (E). Arrows indicate interactions: a curved arrow from B to A, a straight arrow from A to E, and a straight arrow from E to D. A large arrow labeled 'WIND' points from C towards the mountain.

6. What theory explains the movement of the earth's surface creating major landforms?

- 10

SL 1

[illegible]

SL 2

8. Mt. Matavanu is identified as an active volcano on the island of Savai'i. Describe how communities around that area can better prepare themselves in anticipation of a possible volcanic eruption.

SL 2

Use Resource 5 below and your knowledge to answer Question 9.

Resource 5

Evacuation Plan Procedures



Source: <https://absolutehealth.co.za/blog/evacuation-plan-procedures/>

9. Explain **ONE** reason why a developed nation like Australia will use evacuation strategies as a way to reduce the negative impacts of a Tsunami.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

SL 3

10. Samoa is located near the “Ring of fire” and is subject to a number of natural hazards including earthquakes and Tsunami. Explain one way in which the use of modern technologies can hinder efforts to reduce the impacts of earthquakes.

11. Discuss the success of the use of evacuation procedures during a recent cyclone that occurred in Samoa.

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

For Questions 12 to 16, choose and write the LETTER of the correct answer in the smaller box provided.

Use Resource 6 below and your knowledge to answer Questions 12 and 13.

Resource 6

Afu a'au falls – Vailoa Palauli



Source: <https://www.chargetheglobe.com/best-things-to-do-in-samoa/>

12. Climate change, population growth, and other factors have led to severe water scarcity and droughts. One of the main ways to solve this problem is:

- A. recreational water use.
- B. water rationing.
- C. freshwater distribution in the world.
- D. water/hydrological cycle.

SL 1

13. Which of the following choices is a recreational water use?

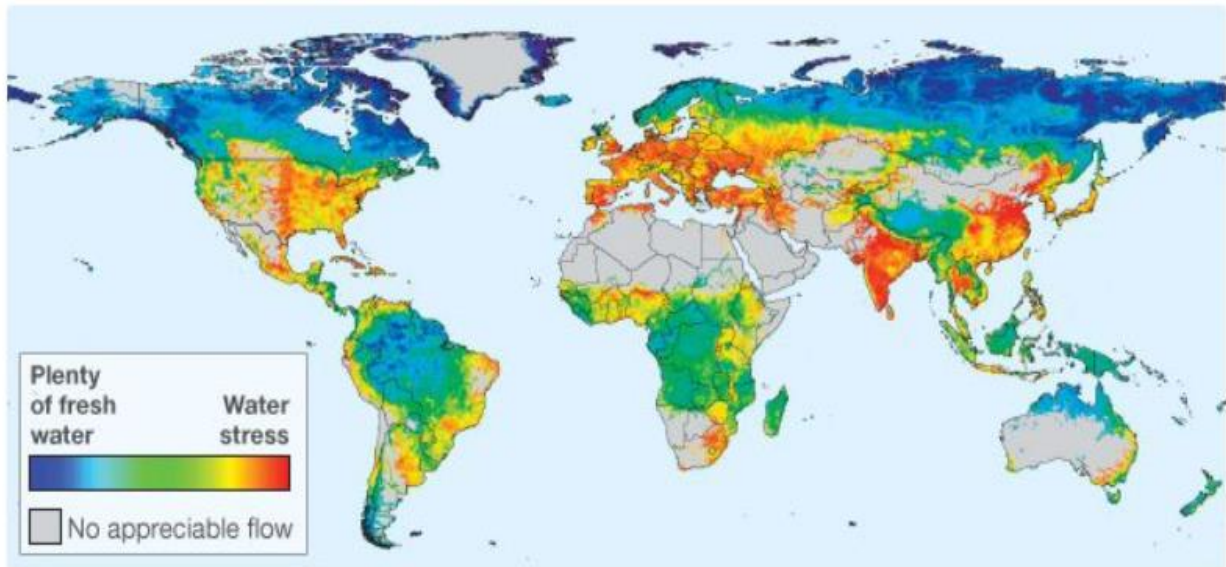
- A. Taking a ferry from Upolu to Savaii.
- B. Fishing and farming.
- C. Washing the car.
- D. Swimming.

SL 1

Use Resource 7 below and your knowledge to answer Questions 14 and 15.

Resource 7

Amount of freshwater in the world



Source: pinterest

14. Which **ONE** of the following regions of the world has a water deficit?

- A. The Middle East
- B. Europe
- C. Asia
- D. North America

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SL 1

15. Which one of the following Pacific Island countries import a lot of water from overseas due to excess demand for freshwater?

- A. Fiji
- B. Tonga
- C. Papua New Guinea
- D. Samoa

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SL 1

Resource 8

The diagram illustrates the water cycle with the following components and values:

- Evaporation:** 80 000 (from the ocean)
- Evapo-transpiration:** 15 000 (from land vegetation)
- Precipitation (Ocean):** 70 000
- Precipitation (Land):** 25 000
- Run-off:** 10 000 (from the ocean to the land)
- Infiltration:** (from land precipitation to ground water)
- Ground Water:** (reservoir below the land surface)

16. When water starts from ground water, and successfully goes through the hydrological cycle, it can be said to be a:

- 7

SL 1

- [illegible]

SL 2

18. Describe one way in which reforestation projects in the country, help to reduce evaporation.

SL 2

- | |
|------|
| SL 3 |
| |

21. Discuss how water resource use is influenced by people's perception and how this contributes to water surplus/scarcity.

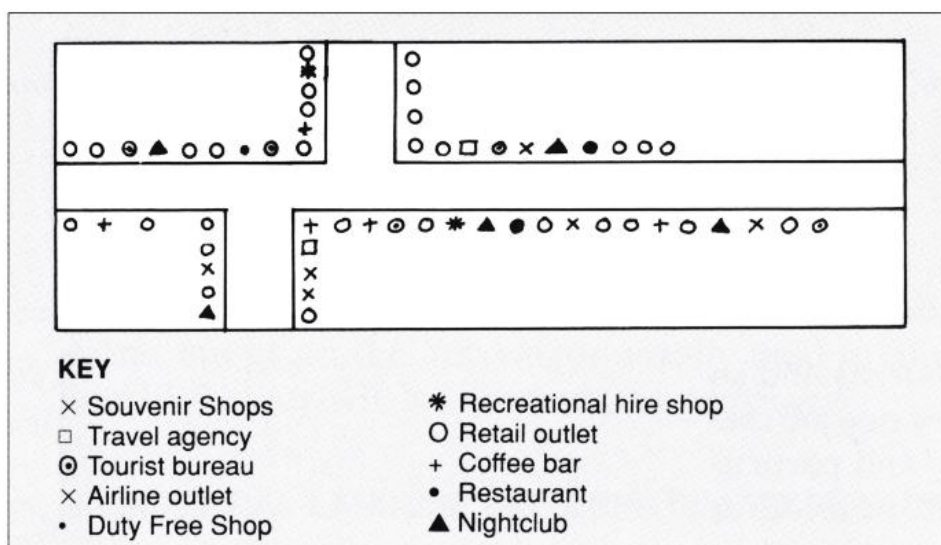
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For Questions 22 to 26, choose and write the LETTER of the correct answer in the smaller box provided.

Use Resource 9 below and your knowledge to answer Questions 22 and 23.

Resource 9

A sample plan of an urban area



Source: MESG Textbook

22. Which one of the following towns or cities is known to be growing at a very fast rate?

- A. Bangladesh
B. Sapporo
C. Genoa
D. Venice

SL 1

23. The area of the country that normally has commercial spaces, high value buildings, high population density and offices is the:

- A. Recreational areas.
B. Central business district.
C. Industrial area.
D. Residential area.

SL 1

Use Resource 10 below and your knowledge to answer Questions 24 and 25.

Resource 10

Smart Urban Growth



Source: moneycrashers.com

24. One of the following theories of urban growth, states that cities develop around numerous centers rather than only one centralized location is:

- A. the concentric zone model.
- B. the industrial zone model.
- C. the sector model.
- D. the multiple nuclei model.

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SL 1

25. Which **ONE** of the following is a policy used to control urban sprawl, by preventing the deforestation of some virgin lands in the area?

- A. Green belt.
- B. Urban management.
- C. Satellite towns.
- D. Dormitory suburbs.

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SL 1

26. Which of the following countries has a low proportion of population living in urban areas?

- A. Samoa
- B. Fiji
- C. Vanuatu
- D. Australia

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SL 1

Use Resource 11 below and your knowledge to answer Questions 27 and 28.

Resource 11

Greenbelt in the city of London



Source: londonist.com

27. Describe the global patterns of urbanization.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

SL 2

28. Explain **ONE** reason why green belts are necessary in Pacific Island countries.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

SL 3

29. Explain one way in which legislation can be used as a strategy in the Pacific to reduce urban pollution.

[illegible]

SL 3

For Questions 32 to 36, choose and write the LETTER of the correct answer in the smaller box provided.

32. What organization is responsible for implementing the Samoa Tourism Strategy?

- A. The Samoa Immigration Service.
- B. The Samoa Tourism Authority.
- C. The village committees and councils.
- D. The Apia Tourism Agency.

SL 1

Use Resource 12 below and your knowledge to answer Questions 33 and 34.

Resource 12

Some of the ecotourism projects in Samoa



Source: SamoaPocketguide.com

33. From the list of options below, select the one that is an ecotourism project in Samoa.

- A. The Lake Lanoto'o National Park.
- B. The reef-safe sunscreen and natural insect repellent.
- C. The Samoa Tourism Authority.
- D. The Apia Park Giant Clam Sanctuary.

SL 1

34. A travel for enjoyment without destroying natural areas, or negatively impacting on the community and its people is:

- A. cultural tourism.
- B. adventure tourism.
- C. tourism.
- D. ecotourism.

SL 1

35. A process that leads to improvement and positive change in economic, environmental, social and demographic components is:

- A. globalization.
- B. development.
- C. global village.
- D. urbanisation.

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SL 1

Use Resource 13 below and your knowledge to answer Question 36.

Resource 13

Advertising Samoa to the rest of the world



Source: SamoaTourism.org

36. The Samoa Tourism Sector Plan 2022-2027 was recently launched. Which **ONE** of the following is an effective way to ensure the Plan succeeds?

- A. Increasing the number of Samoan's travelling overseas as visitors.
- B. To repeat the tourism successes of 2019.
- C. Reduce the number of foreigners coming into Samoa.
- D. Achieving sustainable tourism recovery and growth.

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SL 1

Use Resource 14 below and your knowledge to answer Questions 37 and 38.

Resource 13

Global corporation



Source: assignmentpoint.com

37. List **TWO** cultural reasons why Samoa needs to interact with other countries.

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SL 2

38. Explain **ONE** advantage of global cooperation amongst the countries of the world including Samoa.

Use Resource 15 below and your knowledge to answer Questions 40 and 41.

Resource 15

Samoa Travel Guide and Hosting Tourists



Source: journeysmart.com

40. Explain **ONE** reason why it is important to develop more ecotourism projects in Samoa or in our country.

[illegible]

SL 3

41. Identify **ONE** way of reducing leakage of the benefits of tourism and discuss **ONE** reason why reducing such leakage is important for the Samoan people.

[illegible]

For Questions 42 to 46, choose and write the LETTER of the correct answer in the smaller box provided.

Use Resource 16 below and your knowledge to answer Question 42.

Resource 16

Signs of global warming



Source: CNN

42. In the context of Global warming, human activities and primarily fossil fuel burning leads to which of the following?

- A. Increase in the number of greenhouses.
- B. Increase in greenhouse gases.
- C. Reduction of the ocean temperature.
- D. Reduction of the atmospheric systems.

SL 1

43. Which **ONE** of the following is a climate change protocol?

- A. Montreal protocol
- B. Tokyo protocol
- C. Global warming protocol
- D. Transmission Control protocol

SL 1

50. Explain **ONE** potential effect of climate change on island environments.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

SL 3

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SSLC GEOGRAPHY

2024

(For Scorer only)

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