



GOVERNMENT OF SAMOA

STUDENT EDUCATION NUMBER									

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# Samoa Secondary Leaving Certificate

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# GEOGRAPHY

# 2023

## 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
<b>STRAND 1</b>	PHYSICAL ENVIRONMENT	2 – 6	36	20
<b>STRAND 2</b>	RESOURCES AND THEIR USES	7 – 11	36	20
<b>STRAND 3</b>	POPULATION AND SETTLEMENT	12 – 16	36	20
<b>STRAND 4</b>	GLOBALISATION AND TOURISM	17 – 20	36	20
<b>STRAND 5</b>	ENVIRONMENTAL ISSUES	21 – 25	36	20
	<b>TOTAL</b>		<b>180</b>	<b>100</b>

Check that this booklet contains pages 2-26 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 box provided.

1. When magma and gases are released into the earth's surface, it often forms a landform, and this process is called:

- A. mantle process.  
B. subduction process.  
C. earthquake process.  
D. volcanic process.

	SL 1

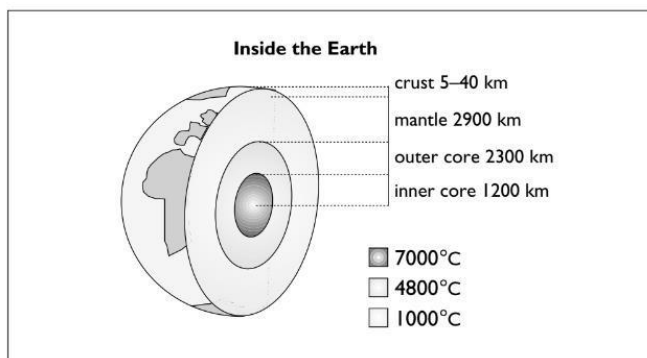
2. Which of the following natural hazard occurred on 6 February 2023, with an estimated 57,350 deaths, and 121,700 injured in Turkey?

- A. Landslide  
B. Cyclone  
C. Earthquake  
D. Volcano

	SL 1

Use Resource 1 below and your knowledge to answer Questions 3 and 4.

**Resource 1:**



Source: MESC textbook

3. The type of map that allows researchers to collect data at a single point in time is a:

- A. longitudinal map.  
B. cross sectional map.  
C. thematic map.  
D. topographical map.

	SL 1

4. Cracks in the earth's crust where rocks on either side of the crack have slid past each other is defined as:

- A. fault lines.
- B. tectonic plates.
- C. the earth's core.
- D. subduction plates.

	SL 1

5. Which of the following can cause a volcanic eruption?

- A. Reduction in pressure in the lid of a volcano's magma chamber.
- B. When warm winds meet cold winds.
- C. When rising magma meets groundwater.
- D. When effusive and viscous gasses meet.

	SL 1

6. Cyclones in Samoa may occur in:

- A. June.
- B. October.
- C. May.
- D. November.

	SL 1

7. Describe **ONE** feature of a tropical cyclone.

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SL 2

8. Describe **ONE** early warning tool used by the Samoa Meteorological Service to reduce the effects of cyclones.

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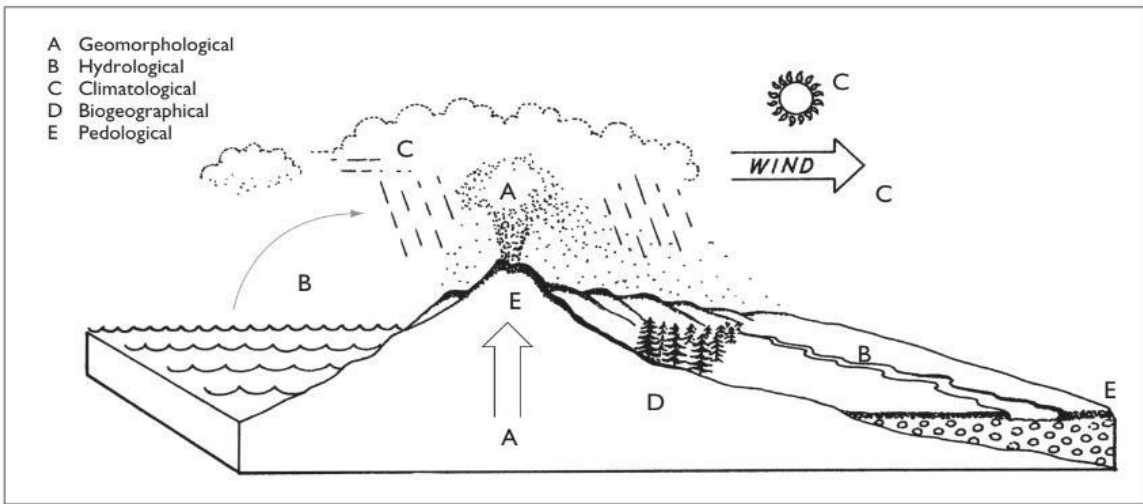


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SL 2

Use Resource 2 below and your knowledge to answer Questions 9 and 10.

**Resource 2**



Source: MESC textbook

9. Explain why a simple cross-section map of a tropical cyclone is important to the Samoan public.

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SL 3

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10. Explain **ONE** social impact of a volcano on the people of Samoa.

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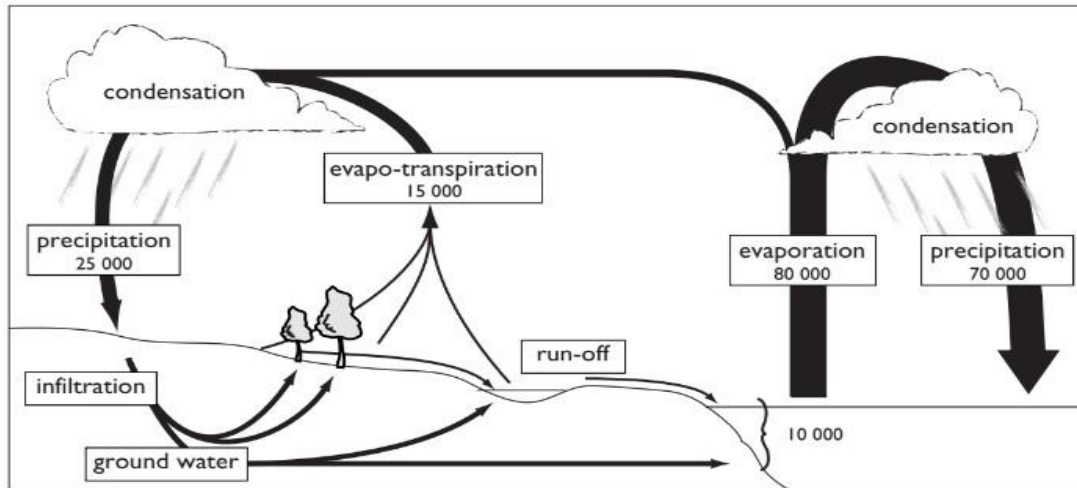
SL 3



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

Use Resource 3 below and your knowledge to answer Question 12.

**Resource 3**



Source: MESC textbook

12. The movement of water from the ground, to the atmosphere and back again is called:

- A. water conservation.
- B. water rationing.
- C. freshwater distribution.
- D. water cycle.

	SL 1

13. Which **ONE** of the following countries imports fresh water from overseas in times of severe drought?

- A. Samoa
- B. Tuvalu
- C. Australia
- D. New Zealand

	SL 1

14. Which **ONE** of the following is NOT a multi-purpose water-based project?

- A. Alaoa Dam.
- B. Fuluasou Dam.
- C. Matautu Dam.
- D. Faleata hydropower plant.

	SL 1

15. Resources that are not replaced after being consumed are referred to as:

- A. renewable.
- B. non-renewable.
- C. water-based.
- D. public reserves.

SL 1

16. Water is a non-renewable resource when it:

- A. becomes fossil water.
- B. heats up and evaporates.
- C. is used in the homes.
- D. goes into the ground.

SL 1

17. Describe **ONE** positive effect of recreational water use.

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SL 2

18. Describe how water moves through the hydrological cycle.

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SL 2



19. Explain **ONE** natural process that causes some parts of the world like the Pacific, to have surplus of freshwater.

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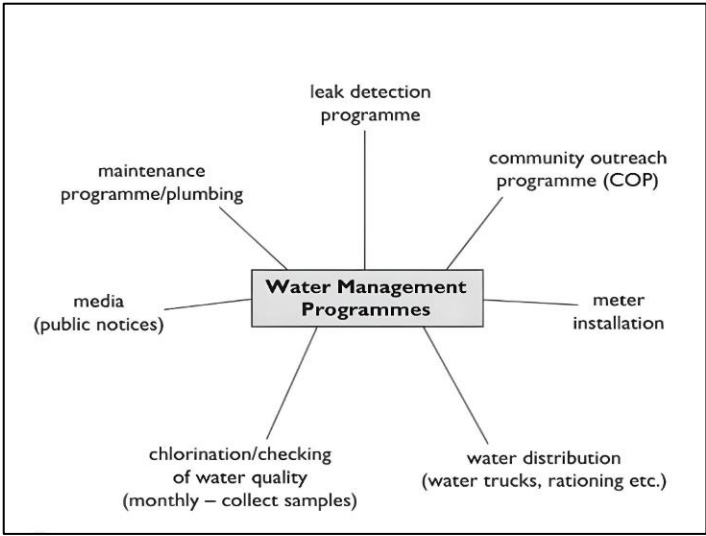


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SL 3

Use Resource 4 below and your knowledge to answer Question 20.

**Resource 4**





21. Discuss the possibility of the construction of a water reservoir in Savaii township to conserve water. Use examples to support your answer.

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SL 4

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

22. Which of the following statements is correct about the global pattern of urbanization?

- A. The world’s urban population is yet to reach 25%.
- B. Over half of the world’s population now lives in towns and cities.
- C. More and more people are moving into the rural areas.
- D. Very few people live in urban areas.

SL 1

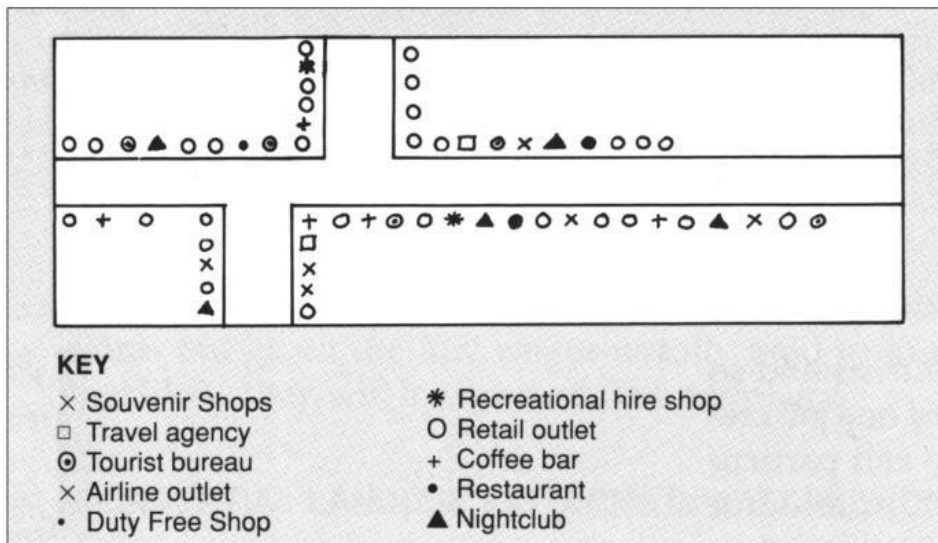
23. Which **ONE** of the following is a feature of the growth of urban zones?

- A. Shanty towns.
- B. Empty houses.
- C. Green belts.
- D. No satellite towns.

SL 1

Use Resource 5 below and your knowledge to answer Questions 24 and 25.

**Resource 5**



24. Commercial and business offices are normally found in the:

- A. slums.
- B. green belt.
- C. CBD.
- D. rural areas.

SL 1

25. The attempt to design and develop urban areas to meet the needs of the community is known as urban:

- A. sprawl.
- B. management.
- C. green belt.
- D. planning.

SL 1

26. Which **ONE** of the following is a town and city planning strategy?

- A. Build more underground parking.
- B. No restrictions on cars coming into the town.
- C. Increase in office spaces.
- D. Improve the number of police officers.

SL 1

27. List **TWO** problems that result from urban growth.

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SL 2

28. Explain the impacts of ONE strategy introduced in the Pacific to discourage urban migration.

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29. Explain **ONE** reason why clearly defined urban zones are necessary in Samoa.

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SL 3

30. Explain how the features of inner-city slums contribute to ONE urban issue.

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SL 3

31. Discuss ONE advantage of urbanization giving specific examples where appropriate.

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

32. One of the effects of globalisation is its:

- A. impact on natural hazards.
- B. influence on attitudes.
- C. contribution to rural-urban migration.
- D. influence on colonization.

SL 1

33. International relations between countries is mainly for what reason?

- A. Political
- B. Environmental
- C. Religious
- D. Urbanisation

SL 1

34. The advancement of the internet and other modern communication platforms helps the world to:

- A. achieve better ecotourism projects.
- B. become a global village.
- C. have more urban areas.
- D. increase in population.

SL 1

35. The type of responsible travel to different places that also protects, and aims to improve the life of the local people is referred to as:

- A. seasonal work.
- B. permanent migration.
- C. global travel.
- D. ecotourism.

SL 1

36. Which ONE of the following features can be marketed by a country for responsible travel?

- A. Tour sites that include conservation of wildlife.
- B. Travel sites that focus on leisure, pleasure and entertainment.
- C. Sites that focus on business opportunities and meeting rooms.
- D. Tour guides that show health and fitness opportunities.

SL 1

37. Describe **ONE** way in which globalisation has contributed to the growth of tourism in Samoa.

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SL 2

38. Explain **ONE** benefit of ecotourism for a Pacific Island country and its people.

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SL 3

39. Explain **ONE** reason why tourism can be seen as a source or means of economic colonialism.

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SL 3

40. Explain **ONE** impact of ecotourism on the protection and sustainability of local environments within the Pacific.

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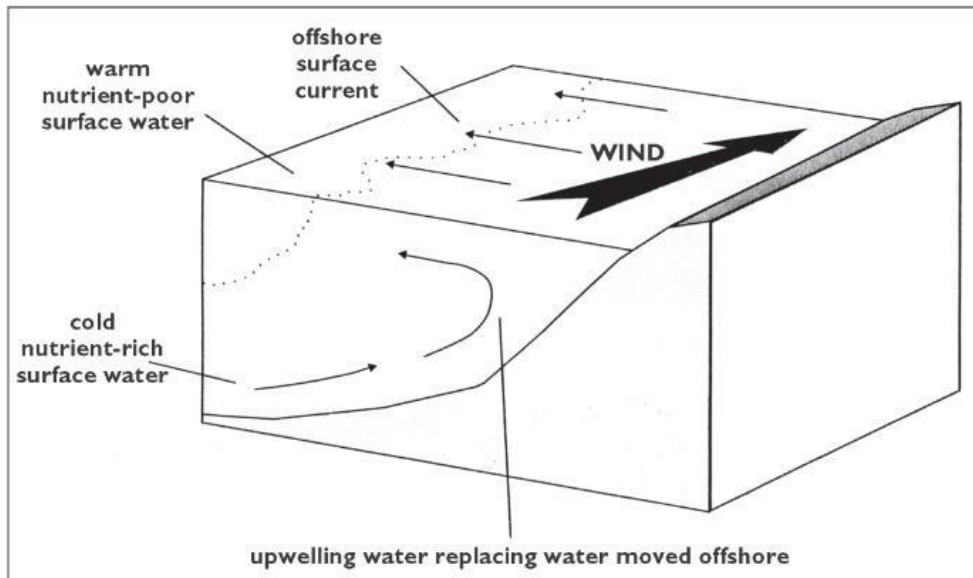
SL 3



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

Use Resource 6 below and your knowledge to answer Questions 42 and 43.

**Resource 6**



42. The collection of gasses such as water vapour and methane in the earth’s atmosphere creates the:

- A. greenhouse effect.
- B. the energy budget of the earth.
- C. the latitude and longitude.
- D. beautification by the komiti.

SL 1

43. The unusual warming of the equatorial Pacific surface water affects:

- A. climate change.
- B. the La Nina phenomenon.
- C. atmospheric systems.
- D. the El Nino phenomenon.

SL 1

44. The heating system, wind and pressure system, and moisture system make up the:

- A. climate change phenomenon.
- B. the climate system.
- C. subduction process.
- D. hydrological cycle.

<input type="checkbox"/>	SL 1

45. The treaty that allows nations with emission targets to trade greenhouse gas allowances is the:

- A. Kyoto Protocol.
- B. Montreal Protocol.
- C. Geneva Protocol.
- D. Sydney Protocol.

<input type="checkbox"/>	SL 1

46. One of the protocols signed as a way of managing climate change is the:

- A. United Nations Sustainable Goals.
- B. Auckland Agreement.
- C. Paris Agreement.
- D. Pacific Island Countries Agreement.

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47. Describe **ONE** global adaptation strategy developed to minimize the effects of climate change by countries.

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SL 2

48. Explain **ONE** potential economic effect of climate change on Samoa's financial well-being.

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<b>SL 3</b>

49. Explain **ONE** social effect of climate change.

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<b>SL 3</b>





51. Discuss **ONE** environmentalist's view about climate change and its appropriateness for Samoa's situation.

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## SSLC GEOGRAPHY

2023

(For Scorer only)

STRANDS		Weighting	Scores	Check Scorer	AED Check
<b>STRAND 1</b>	PHYSICAL ENVIRONMENT	20			
<b>STRAND 2</b>	RESOURCES AND THEIR USES	20			
<b>STRAND 3</b>	POPULATION AND SETTLEMENT	20			
<b>STRAND 4</b>	GLOBALISATION AND TOURISM	20			
<b>STRAND 5</b>	ENVIRONMENTAL ISSUES	20			
<b>TOTAL</b>		<b>100</b>			