



GOVERNMENT OF SAMOA
MINISTRY OF EDUCATION, SPORTS AND CULTURE

STUDENT EDUCATION NUMBER

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Samoa Secondary Leaving Certificate

GEOGRAPHY

2021

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 at the appropriate places in this booklet.

STRANDS		Pages	Time (min)	Weighting
MULTIPLE CHOICE		2	30	25
STRAND 1:	PHYSICAL ENVIRONMENT	10	30	15
STRAND 2:	RESOURCES AND THEIR USES	15	30	15
STRAND 3:	POPULATION SETTLEMENT	20	30	15
STRAND 4:	GLOBALISATION AND TOURISM	24	30	15
STRAND 5:	ENVIRONMENTAL ISSUES-CLIMATE CHANGE	29	30	15
TOTAL			180	100

Check that this booklet contains pages 2-33 in the correct order.

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

Choose the BEST answer and write the correct letter in the box provided for Questions 1 – 25.

1. The correct order for the development of a tropical cyclone is:

- A. tropical wave, tropical storm, tropical depression, and tropical cyclone.
- B. tropical wave, tropical depression, tropical storm, and tropical cyclone.
- C. tropical depression, tropical wave, tropical storm, and tropical cyclone.
- D. tropical storm, tropical wave, tropical depression, and tropical cyclone.

SL 1

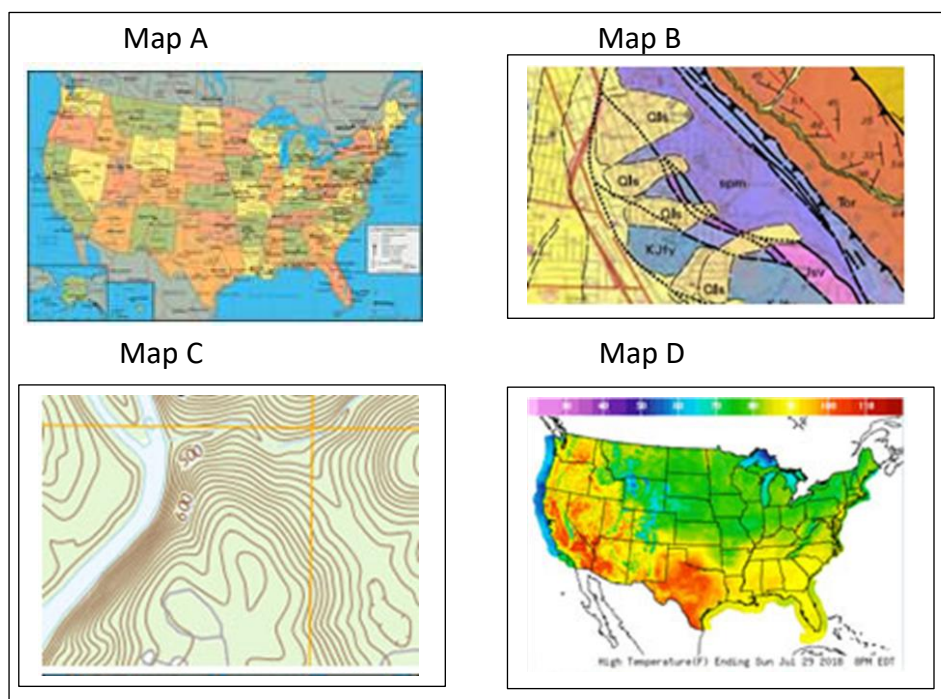
2. The two types of tectonic plates are:

- A. continental and oceanic plates.
- B. convectional and oceanic plates.
- C. continental and lithospheric plates.
- D. convectional and lithospheric plates.

SL 1

Use Resource 1 below to answer Question 3.

Resource 1



3. Which map in Resource 1 (page 2) best represents a 'cross-section map'?

- A. Map A.
- B. Map B.
- C. Map C.
- D. Map D.

<input type="checkbox"/>	SL 1

4. The tropical cyclone season in Samoa is between:

- A. April to November.
- B. April to December.
- C. September to April.
- D. November to April.

<input type="checkbox"/>	SL 1

5. An evacuation procedure is activated when a hazard:

- A. is in its final stage.
- B. is in its initial stage.
- C. poses a threat to the lives of the people.
- D. poses a threat to the building structures.

<input type="checkbox"/>	SL 1

6. Water insecurity is likely to be experienced in areas:

- A. along the equator.
- B. of high latitudes.
- C. 30° north of the equator.
- D. 30° of the south of the equator.

<input type="checkbox"/>	SL 1

7. One of the advantages of renewable resources is that they:

- A. are expensive.
- B. create pollution.
- C. are inexpensive.
- D. are always available.

☐

SL 1

8. Which of the following would be a good use for 'waste water'?

- A. Toilet
- B. Bathing
- C. Cooking
- D. Drinking

☐

SL 1

9. Due to water scarcity in some Pacific Island countries, many have resorted to imported water. The country that imports most of its water is:

- A. Fiji.
- B. Nauru.
- C. Vanuatu.
- D. Papua New Guinea.

☐

SL 1

10. Water is a renewable resource because it:

- A. is stored in water tanks.
- B. can be bottled for future use.
- C. is sourced from underground wells.
- D. can replace itself through the water cycle.

☐

SL 1

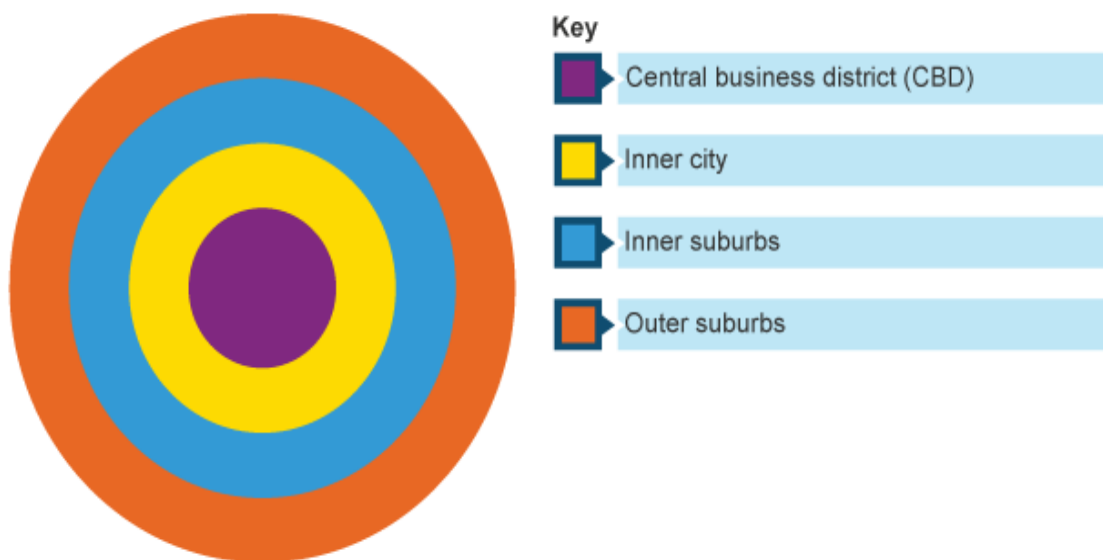
11. The growth of an urban area due to migration is known as urban:

- A. management.
- B. development.
- C. surge.
- D. drift.

SL 1

Use Resource 2 below to answer Questions 12 and 13.

Resource 2: MODEL OF URBAN STRUCTURE



Source: : <https://www.bbc.co.uk/bitesize/guides/z2dmn39/revision/3>

12. The model of urban structure in the resource above best represents a:

- A. Concentric one Model.
- B. Multiple Nuclei Model.
- C. Linear Zone Model.
- D. Sector Model.

SL 1

13. In the Central Business District (CBD), one would expect to find:

- A. low class residential areas.
- B. cinemas and clubs.
- C. arable farm land.
- D. industrial sites.

☐

SL 1

14. One of the strategies of urban planning is the creation of smaller towns that are adjacent to the major city which is the core of an urban area.

These smaller towns are best known as _____ towns.

- A. middle
- B. suburb
- C. satellite
- D. municipal

☐

SL 1

15. One of the major challenges for urban planners is the:

- A. availability of public transportation.
- B. convenience of goods and services.
- C. low literacy and better health.
- D. unreliable power and water systems.

☐

SL 1

16. Which of the following best describes the term globalization?

- A. When a business produces goods in more than one country.
- B. The process by which the world is increasingly becoming one market.
- C. Goods purchased from overseas by local businesses and consumers.
- D. When goods and services are made in one country and sold in another.

☐

SL 1

17. The increase in communications between societies around the world has named this world a:

- A. global village.
- B. goggle earth.
- C. worldwide web.
- D. worldwide call centre.

☐

SL 1

18. Bringing music and movies into Samoa from another country is a good example of:

- A. regional integration.
- B. adaptive integration.
- C. cultural globalization.
- D. economic globalization.

☐

SL 1

19. Tourism as an industry, is an important foreign exchange earner for Samoa. The organization that is responsible for tourism in Samoa is the:

- A. Samoa Tourism Authority.
- B. Samoa National Tourism Bureau.
- C. Samoa Trade and Tourism Authority.
- D. Samoa National Tourism Organization.

☐

SL 1

20. The goal of ecotourism is to:

- A. cause degradation to the environment.
- B. generate more financial benefit to the tourist.
- C. provide rare species as souvenirs to tourists.
- D. raise awareness of sensitive and fragile areas.

☐

SL 1

21. The increase in the amount of greenhouse gases in the atmosphere may trap a lot of heat close to the earth's surface causing:

- A. another ice age.
- B. global warming.
- C. volcanic eruptions.
- D. strong earthquakes.

☐

SL 1

22. The episodes of ocean warming that affect the eastern tropical Pacific are called:

- A. El Nino.
- B. La Nina.
- C. Monsoons.
- D. Trade winds.

☐

SL 1

23. The main cause of coral bleaching is:

- A. oil spills.
- B. overfishing.
- C. warmer water temperatures.
- D. dumping of rubbish in the sea.

☐

SL 1

Use Resource 3 below to answer Question 24.

Resource 3



Source: <https://www.adaptation.fund.org>

24. The adaptation strategy in the resource above is aimed at:

- A. providing a steady supply of mangrove fuel-wood.
- B. providing a natural barrier against storm surges.
- C. extending the sea shore for coastal villages.
- D. ensuring habitat for marine life.

☐

SL 1

25. If all nations on earth ratified the Kyoto Protocol, which of the following would most likely to occur?

- A. Global water quality would improve.
- B. Nuclear waste management would improve.
- C. Global greenhouse gas emissions would decrease.
- D. Global chlorofluorocarbon emissions would decrease.

☐

SL 1

PART 1: The Features of Natural Hazards

Use Resource 4 and your knowledge to answer Questions 26 and 27.

Resource 4**Trees fell on powerlines during Cyclone Tino**

Source: <https://www.samoaoobserver.ws/category/article/56442>

26. Describe ONE feature of a tropical cyclone.

SL 2

27. Explain ONE reason why Samoa is highly vulnerable to natural hazards especially tropical cyclones.

SL 3

PART II: Causes, Effects and Responses

Use the resource below and your knowledge to answer Questions 28.

Resource 5

Plate Tectonics and World fault line maps



Source: <http://www.bgs.ac.uk>

28. Explain ONE way in which the study of tectonic and fault lines help countries prepare well for tectonic hazards.

SL 3

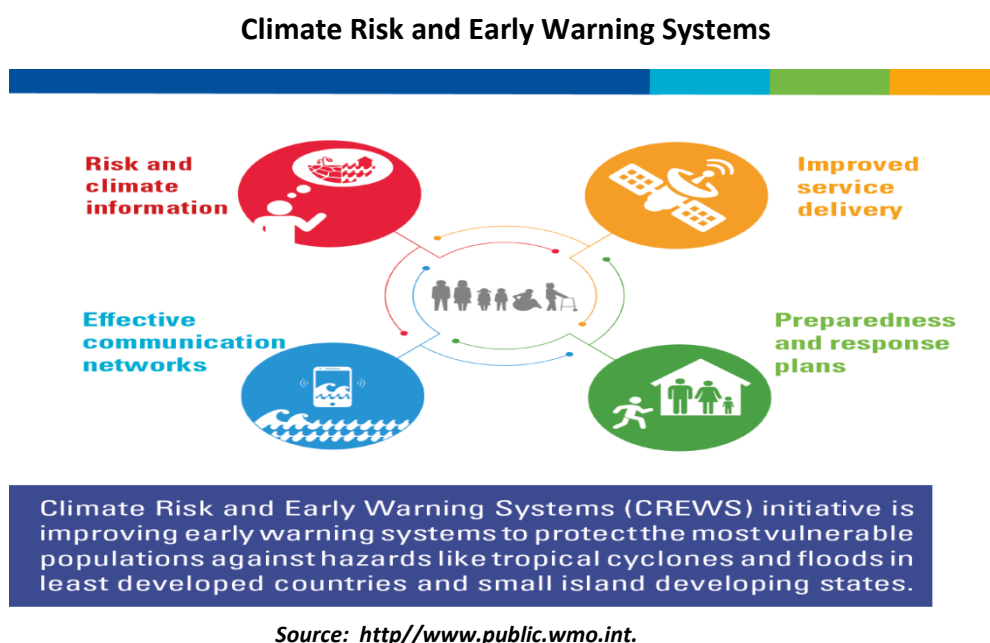
PART III: Global Cyclone Monitoring

- SL 4

PART IV: Case Study for Natural Hazards and Responses

Use the resource below and your knowledge to answer Question 30.

Resource 6



30. Explain ONE reason behind the call for countries like Samoa, to invest in initiatives like Climate Risk and Early Warning Systems.

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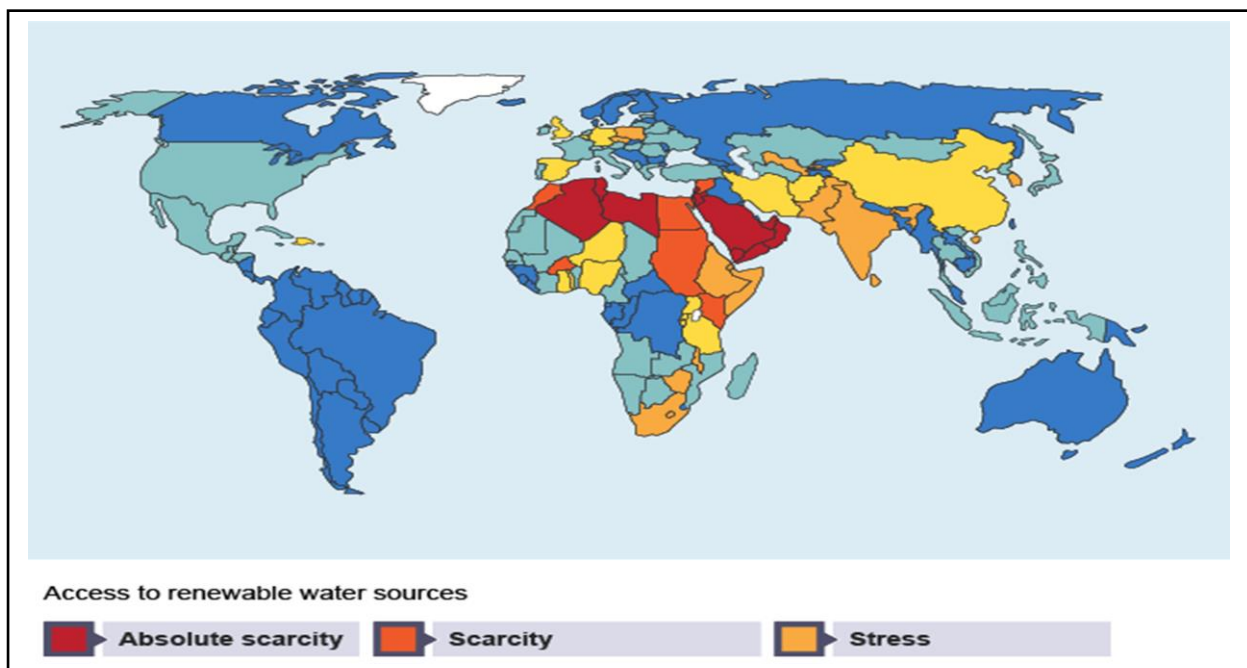
SL 3

PART I: Global Water Distribution

Use the resource below and your knowledge to answer Question 31.

Resource 7

Access to renewable water sources



Source: <https://www.bbc.co.uk/bitesize/guides/zgx382p>

31. Explain ONE natural factor that can contribute to some parts of the world having '**absolute scarcity**' of fresh water.

SL 3

PART II: Water as a Resource

32. Describe the concept of '*water rationing*' in a water scarcity area in the Pacific region.

SL 2

33. Explain ONE challenge that rural communities face from rain harvesting projects.

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

PART III: Water Use

Use the resource below and your knowledge to answer Questions 34 and 35.

Resource 8

Fuluasou Hydro Power Plant



Source: <https://www.maqpro.com>

34. Explain ONE benefit of installing a hydro power plant to the surrounding environment.

SL 3

35. The government of Samoa is considering building a dam in Apia to conserve freshwater. Express your views on whether this is a viable option for the country and use examples to support your argument.

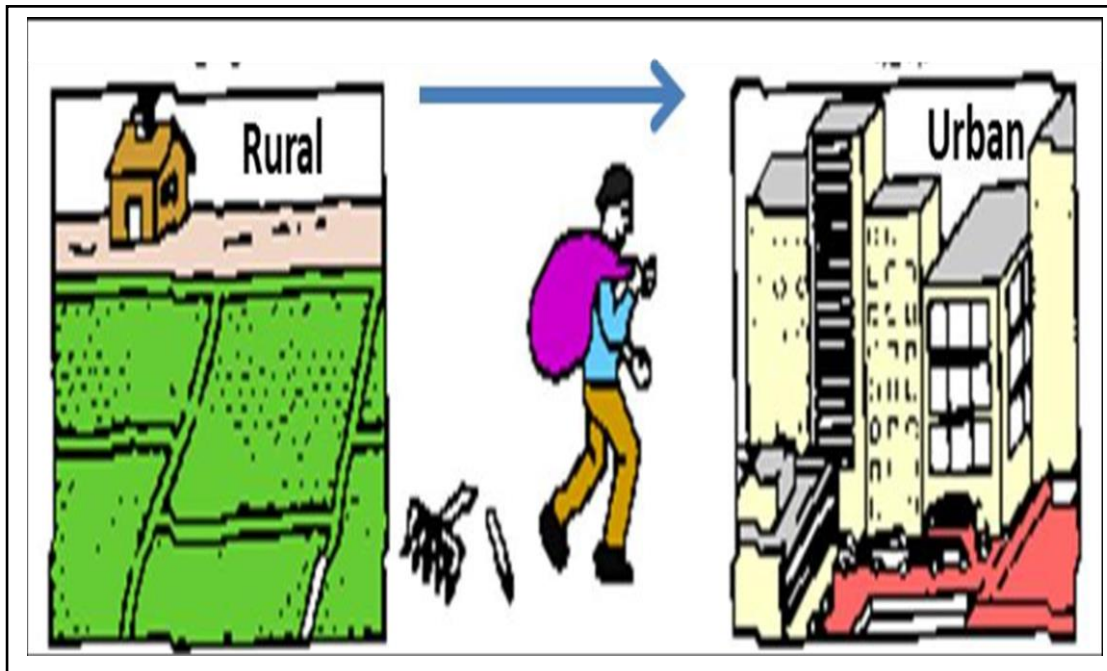
SL 4

PART I: The Global Pattern of Urbanisation

Use the resource below and your knowledge to answer Question 36.

Resource 9

Model of Migration



Source: <https://www.researchgate.net>

36. List TWO causes of rural to urban drift in developing countries.

	SL 2

37. Explain how the natural increase in population contributes to rapid urbanization.

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 or other markings on the paper.

SL 3

38. Explain how urbanization contributes to an increase in land and air pollution in urban areas.

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SL 3

PART III: Urban Planning and Management

Use the resource below and your knowledge to answer Question 39.

Resource 10

Strategies for Urban Planning



Source: <https://www.sswm.info>

39. Explain how 'decentralisation' as a strategy can be used to discourage rural to urban migration in Samoa.

SL 3

PART I: Globalisation and development

Use the resource below and your knowledge to answer Questions 41 and 42.

Resource 11

Source:- [https:// www.businessworld.in/article/Globalization-of-Epidemics-COVID-19-/189162/](https://www.businessworld.in/article/Globalization-of-Epidemics-COVID-19-/189162/)

41. Describe ONE negative effect of a global epidemic on a country like Samoa.

SL 2

PART II: Tourism Development

Use the resource below and your knowledge to answer Questions 43 and 44.

Resource 11



Source:- <https://www.line.17qq.com>

43. Explain ONE way in which tourism has increased the dependence of Pacific Island countries on developed countries.

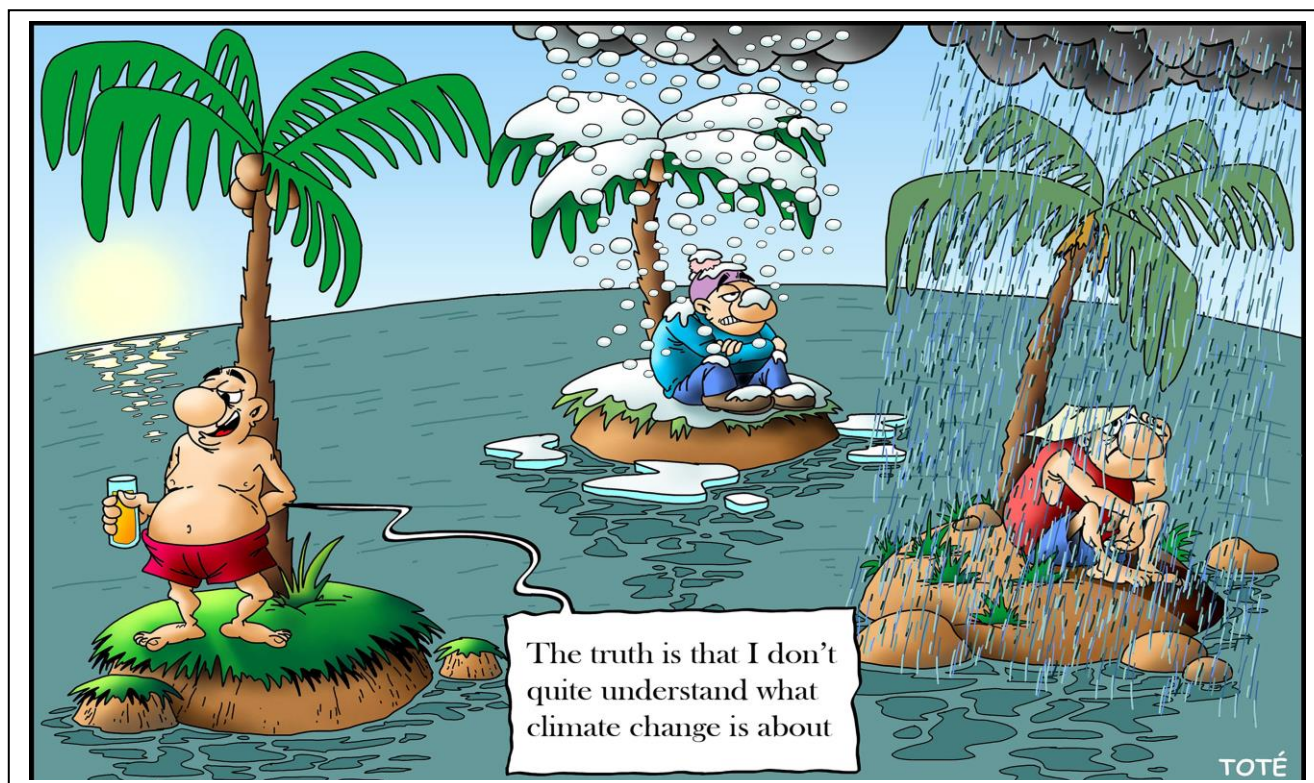
SL 3

44. Explain how **ecotourism** promotes the protection of our environment.

SL 3

PART I: Climate Change

Use the resource below and your knowledge to answer Questions 46 – 48.

Resource 12

Source: <https://www.amazon.co.uk>

46. Describe ONE climate change issue that is illustrated in the resource above.

SL 2

47. Explain ONE social impact of climate change on Pacific Islanders.

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.

SL 3

48. Explain how climate change is linked to the increased intensity of cyclones experienced in the Pacific region.

[illegible]

SL 3

49. Explain ONE major challenge in acquiring international support for climate change adaptation in small island states.

SL 3

STUDENT EDUCATION NUMBER									

GEOGRAPHY

2021

(For Scorer only)

STRANDS		Weighting	Scores	Check Scorer	AED Check
MULTIPLE CHOICE		25			
STRAND 1:	PHYSICAL ENVIRONMENT	15			
STRAND 2:	RESOURCES AND THEIR USES	15			
SECTION 3:	POPULATION SETTLEMENT	15			
SECTION 4:	DEVELOPMENT STUDIES- GLOBALISATION AND TOURISM	15			
SECTION 5:	ENVIRONMENTAL ISSUES- CLIMATE CHANGE	15			
TOTAL		100			