

STUDENT EDUCATION NUMBER

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GOVERNMENT OF SAMOA  
MINISTRY OF EDUCATION, SPORTS & CULTURE

# Samoa Secondary Leaving Certificate

# GEOGRAPHY

## 2017

## QUESTION and ANSWER BOOKLET

Time allowed: 3 hours and 10 minutes

### INSTRUCTIONS

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

STRANDS		Page	Time (min)	Weighting
STRAND 1:	PHYSICAL ENVIRONMENT	2	36	20
STRAND 2:	RESOURCES AND THEIR USES – WATER RESOURCES	7	36	20
STRAND 3:	URBANISATION	12	36	20
STRAND 4:	DEVELOPMENT STUDIES - TOURISM	17	36	20
STRAND 5:	ENVIRONMENTAL ISSUES	22	36	20
TOTAL			180	100

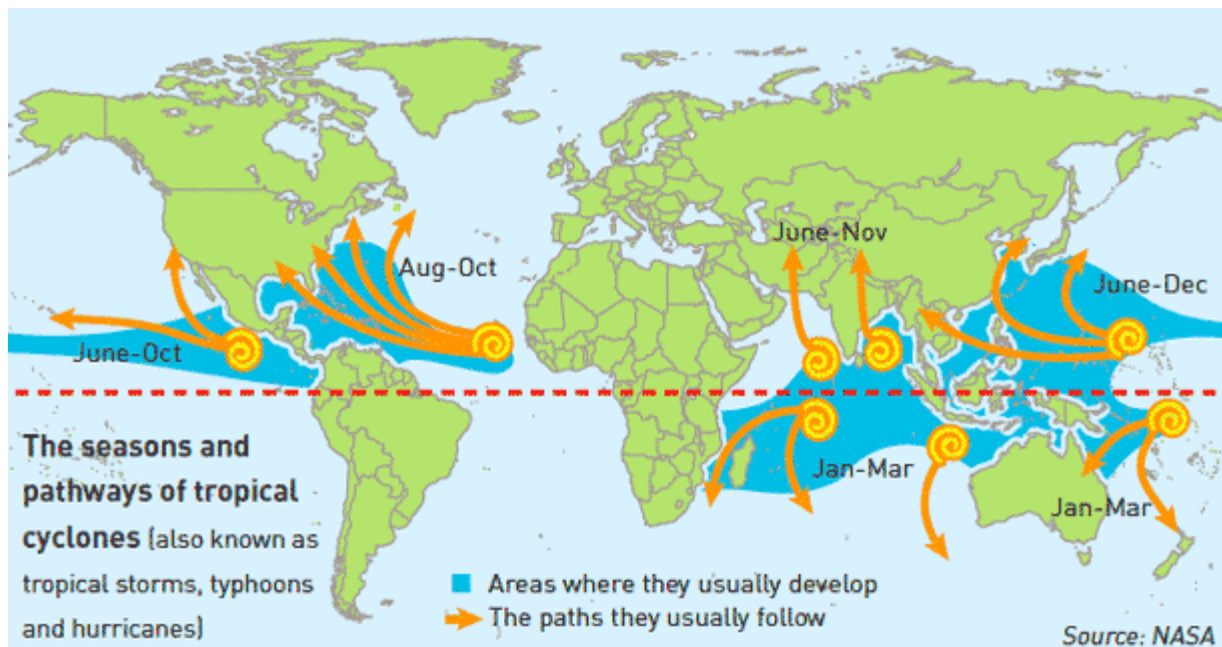
**CHECK** that this booklet contains pages 2-26 in the right order.  
**HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION**

**PART I: The Features of Natural Hazards**

1. Define the term *inter tropical convergence zone* (ITCZ).

S.L 1

Use the map below for Number 2 and 3.



Source: [tunza.mobi/wp-content/uploads/2010/08/tropical-cyclone.gif](http://tunza.mobi/wp-content/uploads/2010/08/tropical-cyclone.gif)

2. Locate and name ONE source area of tropical cyclones.

S.L 1

3. Name the months of the year where tropical cyclones occur the most in the southern hemisphere.

S.L 1

## PART II: Causes, Effects and Responses

4. Define the term *convection current*.

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**S.L 1**

5. Explain how the use of technology helps reduce the negative impacts of volcanic activities. Use examples to illustrate your answer.

[illegible]

**S.L 3**

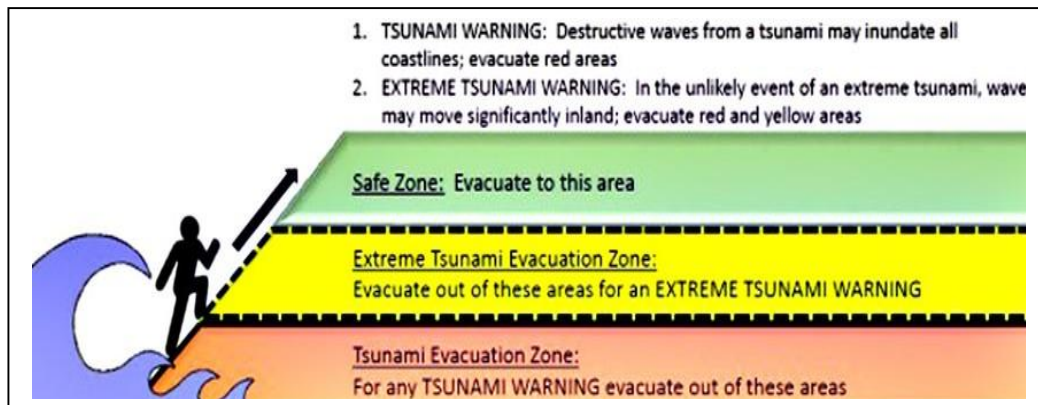
- 6.** Evaluate the effectiveness of strategies used to minimize the negative impacts of earthquakes on people and the environment. Support your answer with examples.

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**S.L 4**



Use the resource below and your own knowledge to answer Number 9 to 11.



Source: <http://tsunami-evac-zone-patterns-presentation>

9. Describe how this particular community prepare for a tsunami event.

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S.L 2

10. Describe the evacuation procedure shown on the resource above.

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S.L 2

11. Explain the significance of cultural processes in causing natural events like tsunamis to become hazardous.

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S.L 3

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**PART I: Water Cycle and Distribution**

- 12.** Define the term *evapotranspiration*.

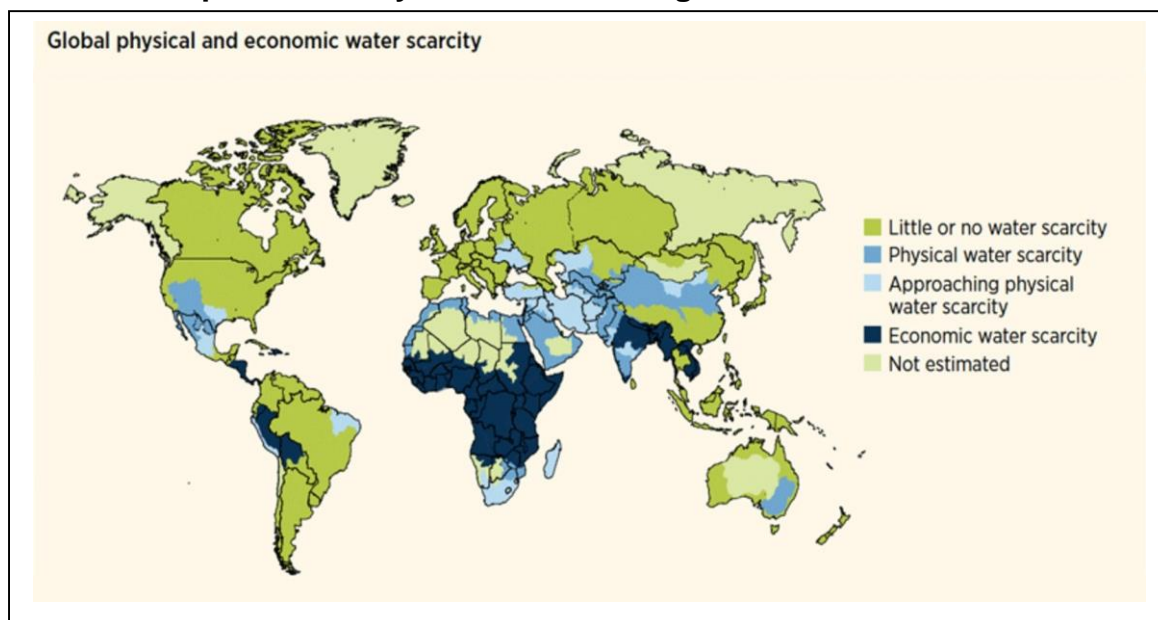
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**S.L 1**

**Refer to the map below and your own knowledge to answer Number 13 to 16.**



Source: [www.un.org/waterforlifedecade/scarcity.shtml](http://www.un.org/waterforlifedecade/scarcity.shtml)

- 13.** Locate and name a water surplus area on the map.

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**S.L 1**

- 14.** Identify the main cause of water scarcity indicated by the map above.

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**S.L 1**

**15.** Define the term *fresh water distribution*.

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**16.** Explain both the natural and cultural factors that affect the water distribution of the African continent.

[illegible]



## PART II: Water as a Resource



Source: <http://www.slideshare.net/monile/980522/water-presentation>

17. Name ONE water use shown in the resource above.

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S.L 1

- 18 State ONE way of how water is wasted.

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S.L 1

19. Describe TWO simple methods of conserving water in your home.

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S.L 2

S.L 2

20. Describe how water is managed in a water scarcity area in the South Pacific region.

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S.L 2

S.L 2

### PART III: Water Use and Conservation

21. Explain the benefits of hydro projects to the people and the environment.

Use examples to illustrate your answer.

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S.L 3

S.L 3

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- 22.** Discuss measures taken by the Samoan government to manage its water resources.

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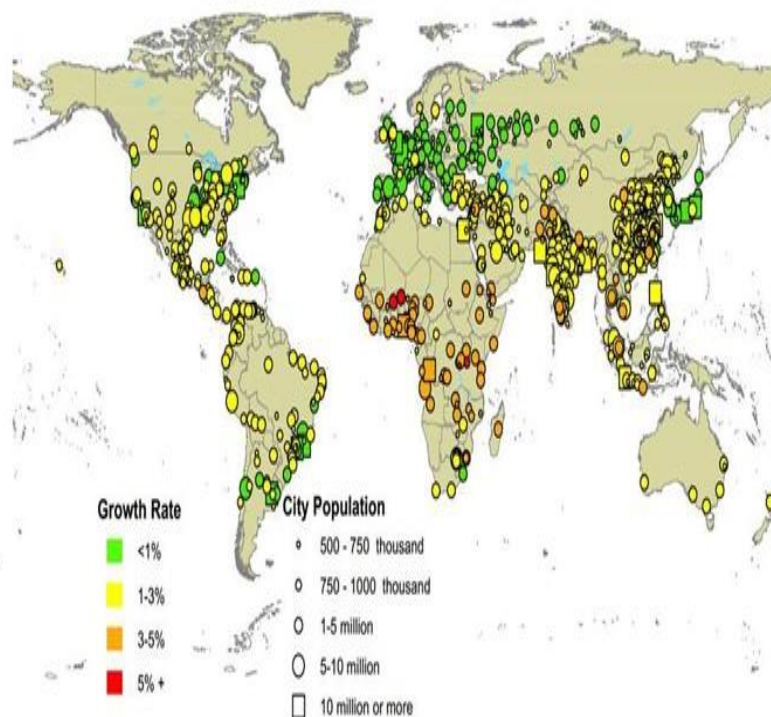
S.L 4

**PART I: Global Pattern of Urbanization**

Use the resource and your own knowledge to answer Number 23 to 27.

Over 90% of urbanization is taking place  
in developing countries

The fastest urban  
growth  
takes place in  
small-medium  
sized cities (<1M)  
in Africa and Asia.



Source: <https://esa.un.org/undp>

**23.** Define the term *urbanization*.

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S.L 1

**24.** Name ONE city with a 5 – 10 million population.

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S.L 1

**25.** Identify a continent with a fastest urban growth.

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**S.L 1**

**26.** Describe TWO causes of migration in developing countries. Give examples.

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**S.L 2**

**27.** Comment on the overall pattern of urbanization worldwide.

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**S.L 3**

## PART II: Effects of Urban Growth

Use the resource and your own knowledge to answer Number 28 to 30.



Source: [www.acegeography.com](http://www.acegeography.com)

28. Locate by shading the CBD area in the photo.

S.L 1

29. Define the term *residential area*.

S.L 2

30. Describe ONE problem arising from urban growth. Give examples to support your answer.

S.L 2

31. Discuss the positive impacts of urbanization. Use examples to illustrate your answer.

S.L 4

## PART III: Urban Planning and Management

- 32.** Define the term *urban planning*.

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<b>S.L 1</b>

- 33.** Explain strategies implemented in Samoa to discourage urban migration.

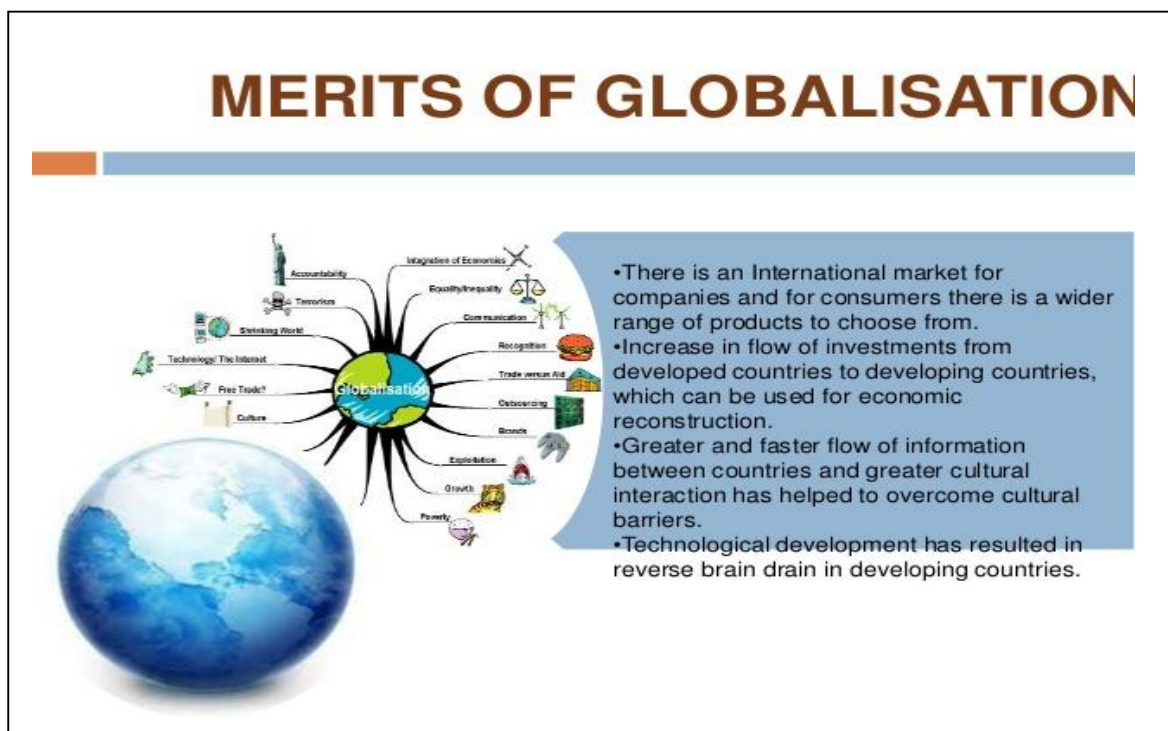
[illegible]

<b>S.L 3</b>



**PART I: Globalisation and Development**

Use the resource below and your own knowledge to answer Number 34 to 37.



Source: <https://image.slidesharecdn.com/globalisation-131217041430-phpp02195/globalisation-and-outsourcing-impact-on-agriculture-and-politics-5-638.pptg?cb=1387253916>

**34.** Define the term *globalisation*.

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**S.L 1**

**35.** State ONE economic reason why countries like Samoa need to depend on other countries.

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**S.L 1**

- 36.** Explain the advantages of global cooperation amongst the countries in the world.

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.

- 37.** Define the term *development gap*.

39. Describe the benefits of tourism for a country. Give examples.

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S.L 2

### PART III: National tourism strategy and ecotourism

40. Briefly describe the role of the Samoa Tourism Authority in tourism development.

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S.L 2

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



Source: [www.ecotourism.org.au](http://www.ecotourism.org.au)

41. Identify ONE feature of the environment shown in the photograph that can be marketed for ecotourism purposes.

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S.L 1

- 42.** Explain the economic benefits of ecotourism. Use examples to illustrate your answer.

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**S.L 3**

- 43.** Name ONE example of ecotourism in Samoa.

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**S.L 1**

- 44.** Leakage of wealth is one drawback or disadvantage of tourism.

With reference to examples, discuss ways to minimize this drawback.

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**S.L 4**

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## PART I: Climate Change

Use the resource below and your own knowledge to answer Number 45 to 48.



Source: [www.climate-change.wwf.org](http://www.climate-change.wwf.org)

45. Define the term *biodiversity*.

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S.L 1

46. State ONE feature of climate change that easily affects the Pacific.

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S.L 1

**47.** Identify ONE negative impact of climate change.

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<b>S.L 1</b>

**48.** Explain using examples, how climate change can result in the displacement of people.

[illegible]

S.L 3

**49.** What are *greenhouse gases*?

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<b>S.L 1</b>

## PART II: Mitigating Against Climate Change

Use the resource below to answer Number 50 to 52.

21.04.2004

### Britain aims to cut emissions

*Britain yesterday said that it would cut its carbon dioxide emissions in excess of its international treaty obligations. The UK said it aimed to cut emissions by 20% from 1990 levels by 2010 and at the initial rate consistent with 16.3 percent cut in the first phase from 2005-2007.*

*The proposals, part of a European union –wide scheme, exceed Britain's obligation under the Kyoto Protocol on climate.*

*Adapted from MESC Year 13 Geography Resource Book, page 198*

50. Name the Protocol that Britain is committed to.

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S.L 1

51. State ONE main feature of the Protocol Britain is committed to carry out.

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S.L 1

52. Describe Britain's attitude in addressing climate change issues.

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S.L 2



**53.** Describe any mitigation strategies being implemented in Samoa.

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<b>S.L 2</b>

**54.** Explain why some developed countries do not fully commit to observing protocols or agreement in addressing climate change.

[illegible]

S.L 3

