

STUDENT EDUCATION NUMBER									



GOVERNMENT OF SAMOA  
MINISTRY OF EDUCATION, SPORTS AND CULTURE

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# Samoa Secondary Leaving Certificate

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# GEOGRAPHY

## 2018

### 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 right hand corner of this page and on **all** extra papers used.
3. You are to answer ALL test items. 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.

CURRICULUM STRANDS		Page	Time (min)	Weighting
<b>STRAND 1:</b>	PHYSICAL ENVIRONMENT	2	36	20
<b>STRAND 2:</b>	RESOURCES AND THEIR USES	6	36	20
<b>STRAND 3:</b>	POPULATION SETTLEMENT	10	36	20
<b>STRAND 4:</b>	DEVELOPMENT STUDIES – GLOBALISATION AND TOURISM	14	36	20
<b>STRAND 5:</b>	ENVIRONMENTAL ISSUES – CLIMATE CHANGE	18	36	20
<b>TOTAL</b>			<b>180</b>	<b>100</b>

**CHECK** that this booklet contains pages 2-24 in the right order.  
**HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION**

**PART I:**

**The Features of Natural Hazards**



Source: <https://www.express.co.uk/news/world/954175/Hawaii-volcano-eruption-2018-pictures-Kilauea-volcano-eruption-photos>

1. Define the term extreme natural events. (SL1)

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2. Describe 2 impacts of a volcanic hazard evident in the photograph. (SL2)

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3. Explain what causes highly explosive volcanic eruptions. (SL3)

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**PART II:            Causes, Effects and Responses**

4. Define the term *tectonic plates*. (SL1)

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5. Explain what people should know about earthquakes and why. (SL3)

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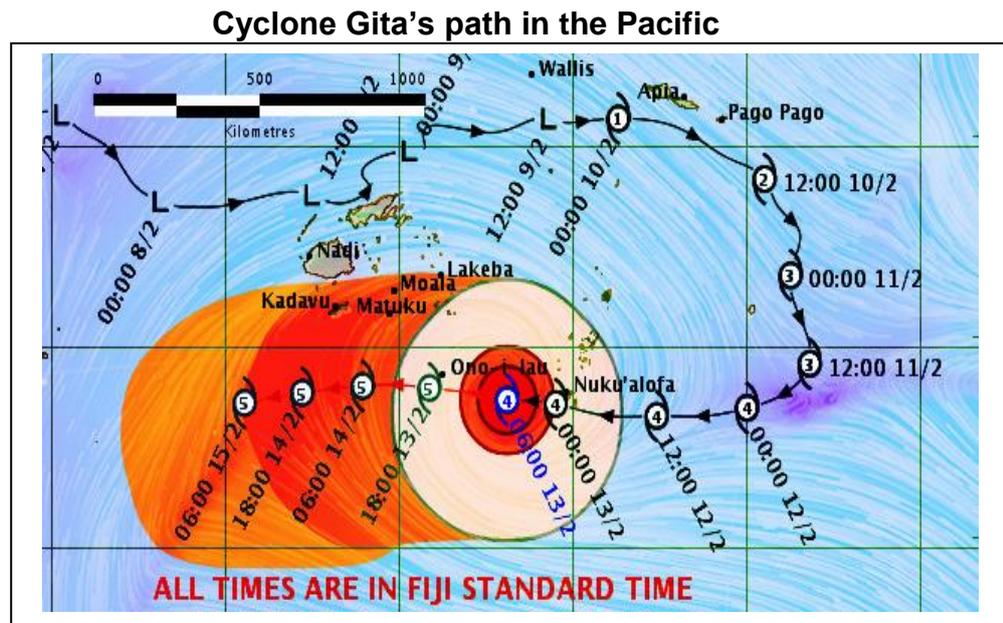
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6. Name the scale which measures the magnitude of an earthquake.

(SL1)

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**PART III:            Cyclone Monitoring**



Source: RSMC Nadi Tropical Cyclone Warning Centre: TCW #29 issued 1922 UTC 12 February 2018

**Use the satellite image above and your knowledge to help answer Number 7 to 9**

7. Explain how cyclones, such as cyclone Gita, can be predicted.

(SL3)

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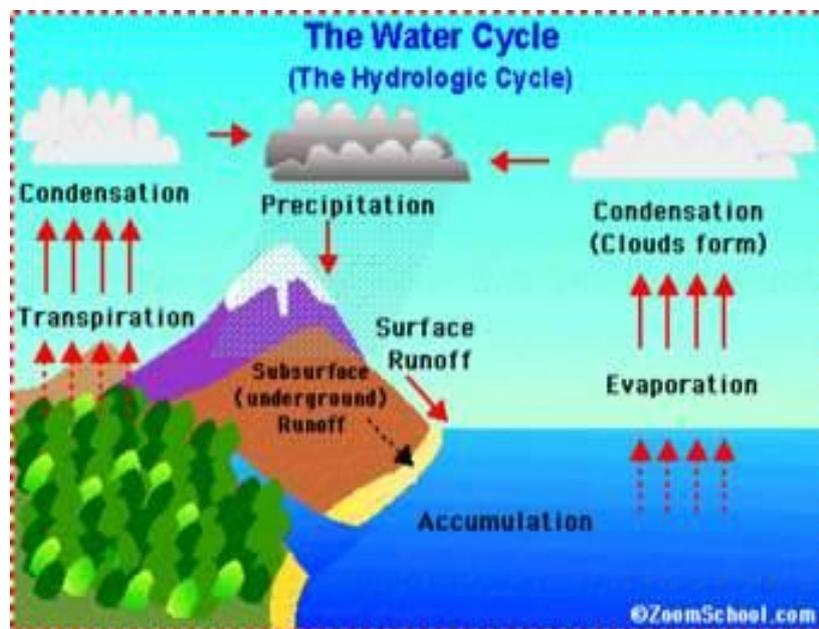
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**PART I:**            **Water Cycle and Water Projects**

11. Name the Hydropower Dam located south of Ta'elefaga in Upolu. (SL1)
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Use the Diagram to answer Number 12 and 13

12. Define the term transpiration. (SL1)

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13. Explain how water moves through the above water cycle. (SL3)

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**PART II:                    Global Freshwater Storage/Distribution**



Source: © [techalive.mtu.edu](http://techalive.mtu.edu)

**Use the Resource to answer Number 14 to 16.**

14. Describe the distribution patterns of global water storage. **(SL2)**

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15. Define the term renewable resources. **(SL1)**

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16. Explain how natural processes can cause some parts of the world to have a surplus of fresh water. (SL3)

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**PART III:**      **Water Conservation**

**RAINWATER HARVESTING**



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

**Use the Resource to answer Number 17 to 19.**

17. State the method of water conservation. (SL1)

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18. Explain how Samoa can benefit from a rain harvesting project. (SL3)

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19. Name a Pacific Island that imports a lot of water for consumption purposes. (SL1)

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**PART IV:            Effective Water Management**

20. Evaluate the effectiveness of 3 different strategies used for managing freshwater resources in areas of scarcity and water surplus. Use examples to illustrate your answer. (SL4)

Write a 150-200 word paragraph.

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**STRAND 3**

**POPULATION SETTLEMENT**

**Weighting 20**

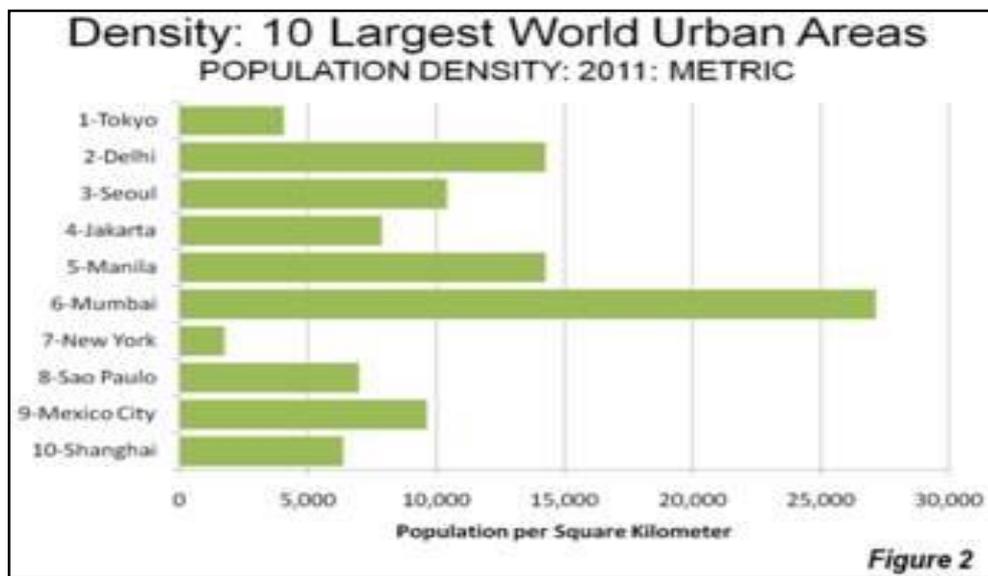
**PART I:            The Global Patterns of Urbanization**

21. Define the term informal settlement. (SL1)

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**World Urbanisation**



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

**Use the graph to answer Number 22 and 23.**

22. Name 1 country with a high proportion of its population living in urban centres. (SL1)

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23. Define the term *population density*. (SL1)

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**PART II:            Effects of Urban Growth.**

**Shanty town in Bangkok**



Source: [affordablehousinginstitute.org](http://affordablehousinginstitute.org)

**Use the Resource to answer Number 24 and 25.**

24. Explain the urban problems depicted in the Resource above. (SL3)

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25. Explain 2 ways to manage the growth of shanty towns in developing countries. **(SL3)**

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**PART III:                    Urban Planning and Management**

26. Define the term *urban planning*. **(SL1)**

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27. Name 1 Pacific Island with a low proportion of its population living in urban centres. **(SL1)**

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28. Describe 2 features of urban management in developed countries. **(SL2)**

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29. Explain 3 reasons why green belts are necessary. (SL3)

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**PART IV:            Effectiveness of Urban Management.**

30. Discuss the effectiveness of 3 strategies for the management of urban areas. Use examples to illustrate your answer. (SL4)

Write a 150-200 word paragraph.

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**33.** Explain 2 reasons how globalisation can benefit developing countries. **(SL3)**

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**PART II:            Eco-tourism**

**34.** Define the term eco-tourism. **(SL1)**

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35. Explain how eco-tourism can benefit Samoa. (SL3)

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**PART III:**                      **National Tourism Strategy**



Source: <https://pafpnet.spc.int/attachments/article/684/Samoa-Tourism-Sector-Plan-2014-2019.pdf>

**Use the Resource to answer Number 36 to 39**

36. Name the authority in Samoa that is responsible for the Tourism Sector Plan. (SL1)

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37. Define the term National Tourism Strategy. (SL1)

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38. State ONE example of eco-tourism evident in the photograph. (SL1)

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39. Define the term sustainable tourism. (SL1)

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**PART IV:            Tourism Benefits**

40. Discuss ways of ensuring that the benefits of tourism reach all levels of the community. (SL4)

Write a 150-200 paragraph.

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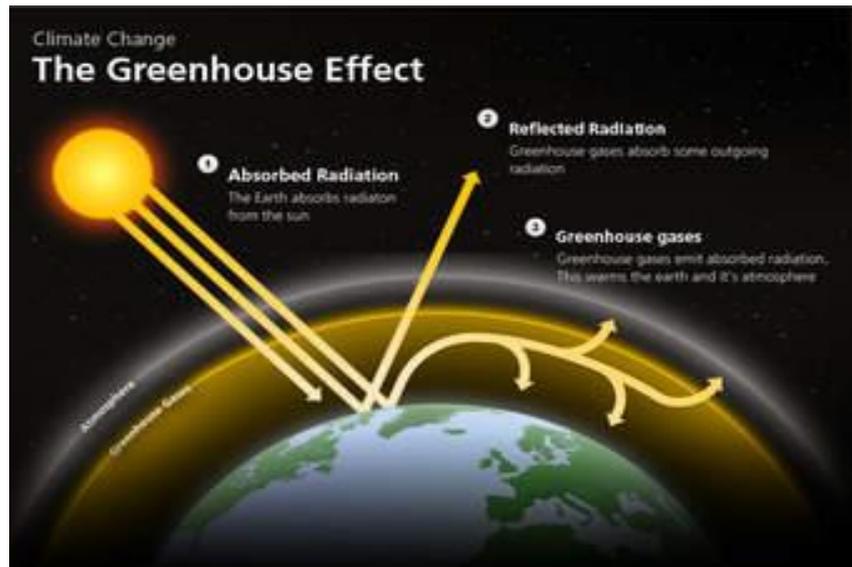
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**PART I:            Climate Change**

41. Define the term *Climate Change*. (SL1)

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Source: [www.dinosaurfact.net](http://www.dinosaurfact.net)

Use the Resource above to answer Number 42 to 44.

42. Describe what is meant by the *greenhouse effect*. (SL2)

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43. Explain the social impact of climate change in the Pacific. (SL3)

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44. State ONE action that countries can take to reduce the impact of climate change. **(SL1)**

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**PART II:            Mitigating against climate change**



Source: <https://unfccc.int/process/the-kyoto-protocol>

**Use the Resource to answer Number 45 to 47**

45. Explain what the Kyoto protocols tries to ensure. **(SL3)**

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**46.** In what country was the Kyoto protocol signed? **(SL1)**

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**47.** Define the La Nina phenomena. **(SL1)**

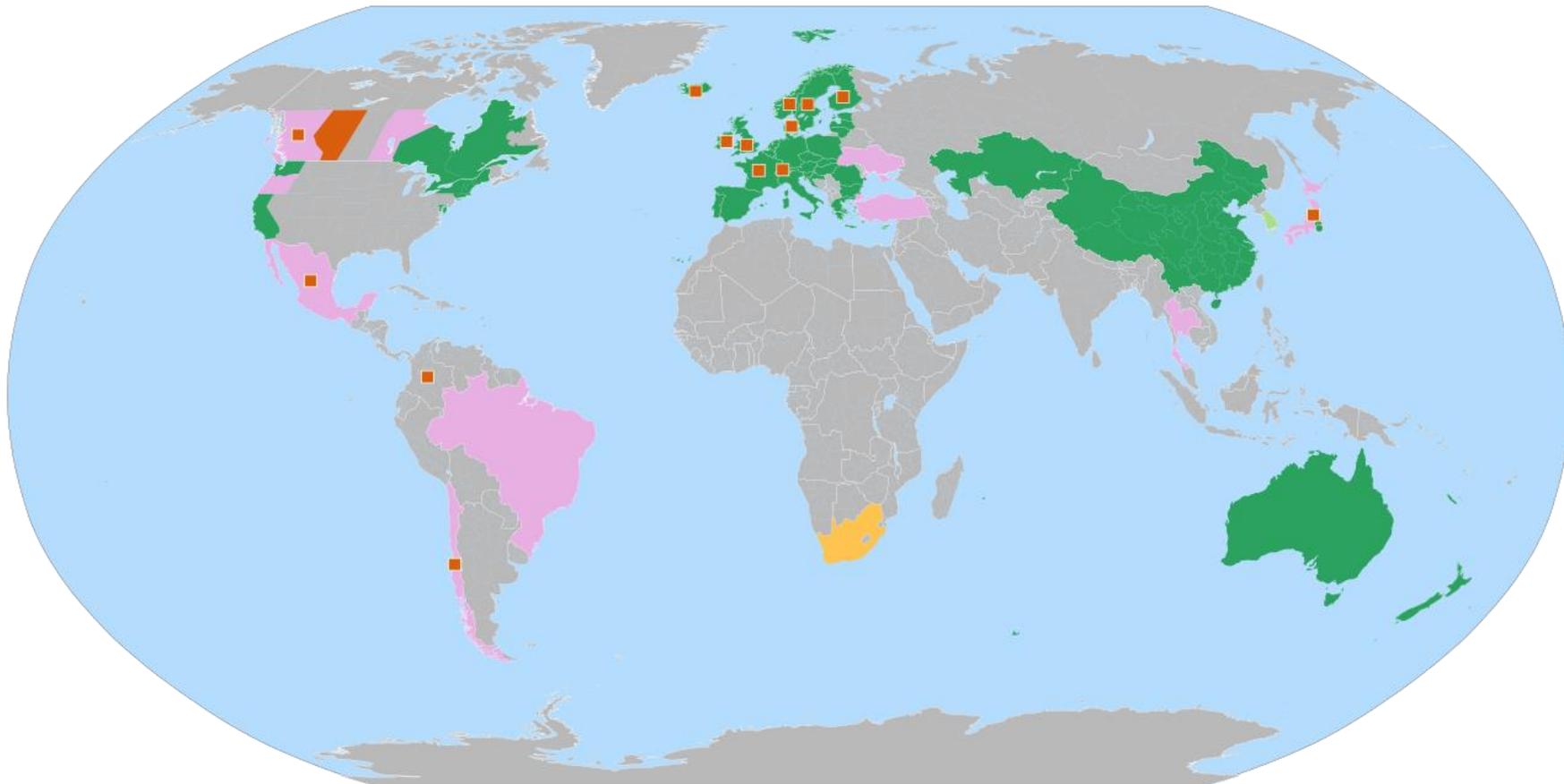
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**PART III:      Global Emission and Carbon Tax**

Use the Resource to answer Number 48 and 49.



Source: **ETS and carbon tax world map.svg**

**Carbon emission trading and carbon tax around the world**

- Emission trading implemented
- Carbon tax implemented
- Emission trading or carbon tax under consideration
- Carbon tax scheduled
- Emission trading scheduled

48. Use the map to help explain why the United States do not support the Carbon tax. (SL3)

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49. Define the term Carbon Tax. (SL1)

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**PART IV:            Climate Change Strategies**

50. Discuss 3 strategies and their effectiveness for climate change mitigation in Samoa. (SL4)

Write a 150-200 word paragraph.

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## 2018 SSLC GEOGRAPHY

FOR SCORERS USE ONLY:

CURRICULUM STRANDS	WEIGHTING	SCORERS MARK	CHECKED MARKED
1: PHYSICAL ENVIRONMENT	20		
2: RESOURCES AND THEIR USES	20		
3: POPULATION SETTLEMENT	20		
4: DEVELOPMENT STUDIES – GLOBALISATION AND TOURISM	20		
5: ENVIRONMENTAL ISSUES – CLIMATE CHANGE	20		
<b>TOTAL</b>	<b>100</b>		