

MARKER CODE				



STUDENT ENROLMENT NUMBER (SEN)									

TONGA SCHOOL CERTIFICATE

2017

GEOGRAPHY

QUESTION AND ANSWER BOOKLET

Time Allowed: 3 Hours + 10 minutes reading

INSTRUCTIONS

1. This paper consists of **THREE SECTIONS** and is out of **70**.

SECTION	Topics	Total Weight
A	Geographical Skills and Ideas	14
B	Physical Environment	20
C	Cultural Environment	36
TOTAL		70

2. Write your **Student Enrolment Number (SEN)** on the top right-hand corner of this page.
3. Answer **ALL** questions in the spaces provided in this booklet.
4. Use **BLUE** or **BLACK** ball point pen. **DO NOT** write in pencil.
5. If you need more spaces for answers, ask the supervisor for extra paper.
6. Check that your paper consists of 23 pages and that none of the page is blank.
7. Make sure you have the topographic map of **Eastern Niuafu'ou (No. 78/1)**

YOU MUST HAND IN TO THE SUPERVISOR THIS BOOKLET AT THE END OF THE EXAMINATION.

SECTION A: GEOGRAPHICAL SKILLS AND IDEAS

Answer ALL questions in this section. You should spend about 36 minutes on this section.

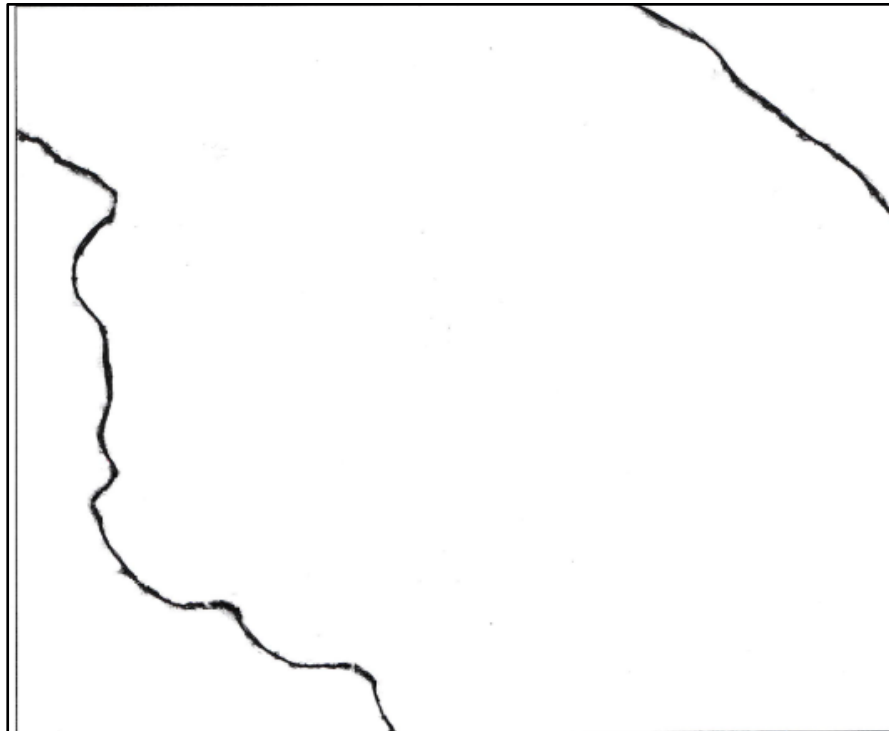
Part 1: Geographic Skills

Question 1 Map Drawing

Study the **Topographic Map** and the **Photo** of **Eastern Niuafo'ou** on **Sheet No. 78/1**. On the precis map below **locate** the;

- Main road
- Vaisi'i

Eastern Niuafo'ou



KEY



Main road



Vaisi'i

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

Question 2 Map Reading

Study the map of **Eastern Niuafo'ou** on **Sheet 78/1**. Use it to answer the questions that follow.

Skill level 1	
1	
0	
NR	

1. State the highest point of the land that crosses on Line AB.

2. Construct a cross-section of Line AB.

Skill level 4	
4	
3	
2	
1	
0	
NR	

Part 2: Geographic Ideas

Question 1 Interaction

Study the **photo** carefully then answer the questions that follow.



- a. Name **ONE** (1) factor that causes the interaction of natural and cultural environment shown above.

Skill level 1	
1	
0	
NR	

- b. Describe the effects of the interaction above on the environment.

Skill level 2	
2	
1	
0	
NR	

Question 2**Changes**

Study the **photo** carefully then answer the questions that follow.



- a. Identify the change shown on the picture.

Skill level 1	
1	
0	
NR	

- b. Name **ONE** (1) factor that causes the change in the physical environment above.

Skill level 1	
1	
0	
NR	

- c. Describe the effects of change shown on the diagram above on cultural environment.

Skill level 2	
2	
1	
0	
NR	

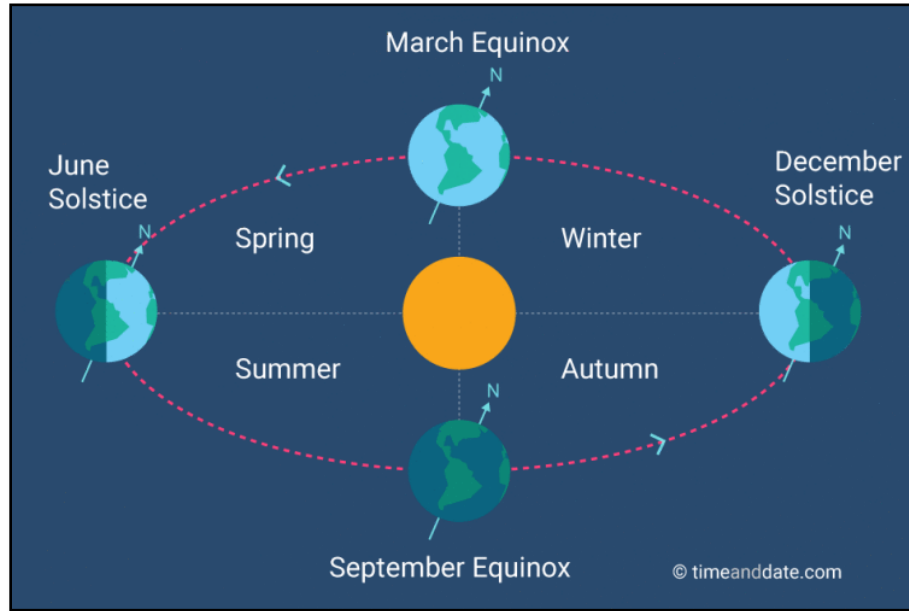
SECTION B: PHYSICAL ENVIRONMENT

Answer ALL questions in this section. You should spend about 54 minutes in this section.

Part 1: Elements of the Physical Environments

Question 1 Climate

Study the **diagram** carefully then answer the questions that follow.



- a. Identify **ONE** (1) factor that causes seasons to occur.

- b. Describe the nature of season during December Solstice at the southern hemisphere.

Skill level 1	
1	
0	
NR	

Skill level 2	
2	
1	
0	
NR	

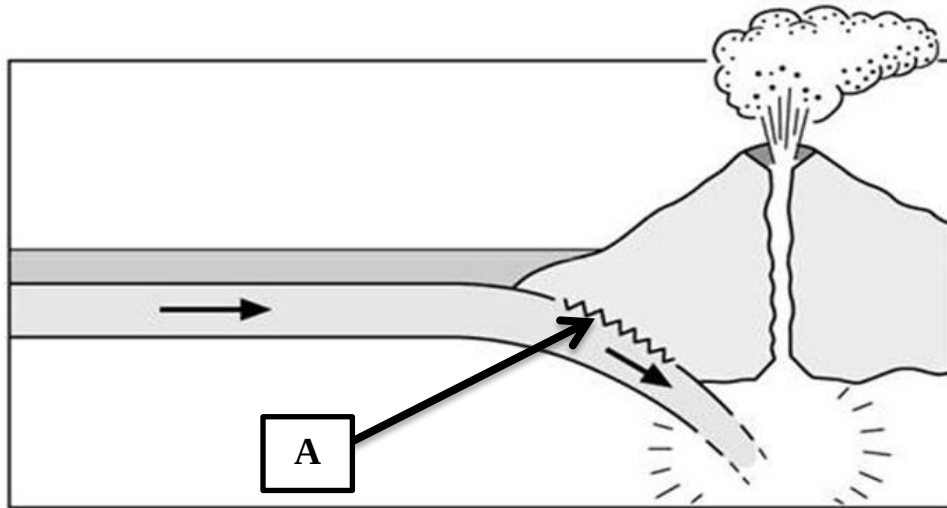
Question 2

Relief

PART 1: Diagram Interpretation

Study the **diagram** carefully then answer the questions that follow.

ISLAND FORMATION IN TONGA



- a. Label feature **A** on the diagram above.

- b. Explain the relationship between earthquakes and plate tectonic movements in island formation of Tonga.

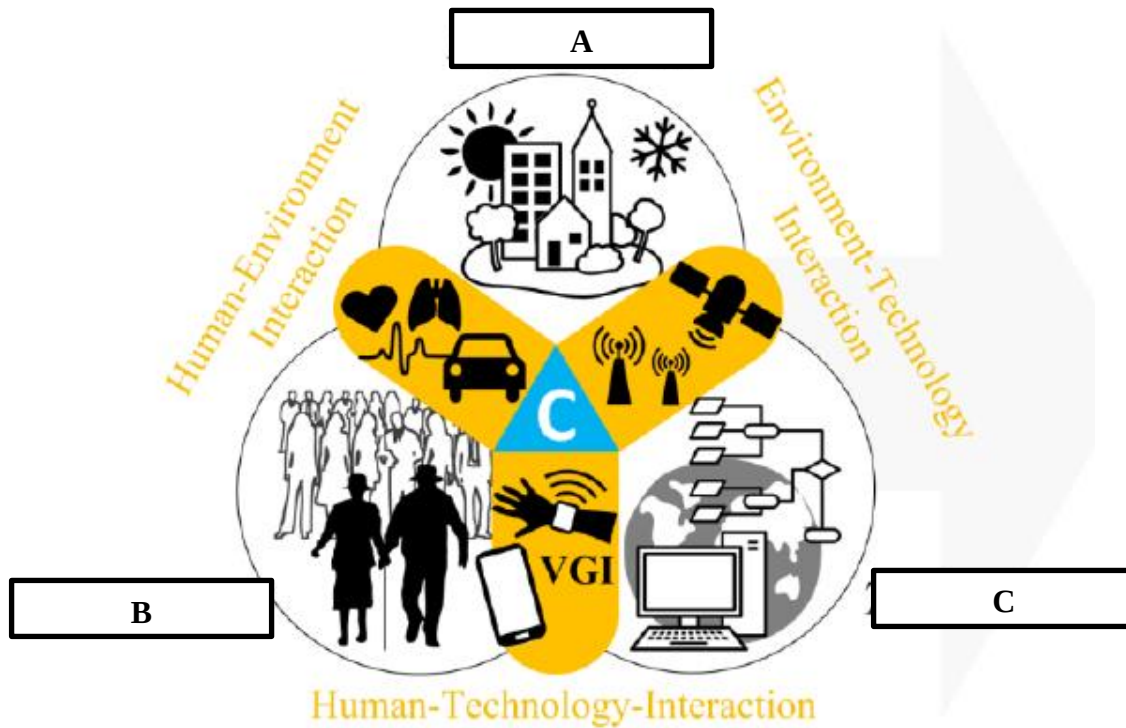
Skill level 1	
1	
0	
NR	

Skill level 3	
3	
2	
1	
0	
NR	

Part 2: Interaction within the Physical Environment

Question 1 Model Interpretation

Study the **Model** carefully then answer the questions that follow.



a. Label Factor **A**.

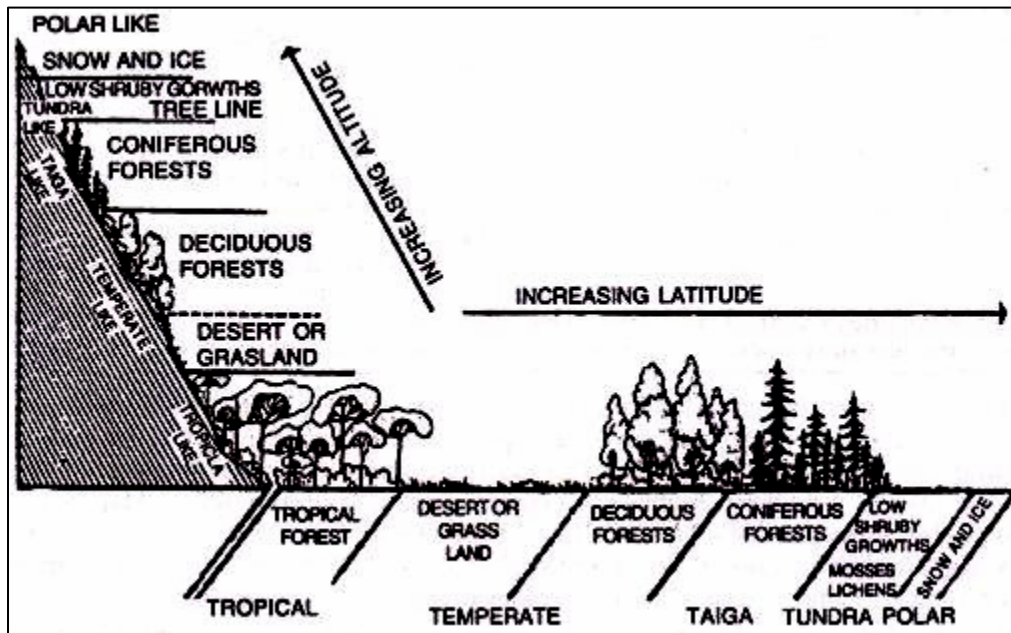
b. Describe how Factor **B** affects Factor **A**.

Skill level 1	
1	
0	
NR	

Skill level 2	
2	
1	
0	
NR	

Question 2 Diagram Interpretation

Study the **Diagram** carefully then answer the questions that follow.



a. Name **ONE** (1) factor that affects the distribution of vegetation.

Skill level 1	
1	
0	
NR	

b. Explain how the factors above affect the distribution of vegetation.

Skill level 3	
3	
2	
1	
0	
NR	

Skill level 2	
2	
1	
0	
NR	

- ii. Evaluate the effectiveness of **TWO** (2) solutions practiced in Tonga to solve the environmental problems on the picture

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.

Skill level 4	
4	
3	
2	
1	
0	
NR	

SECTION C: CULTURAL ENVIRONMENT

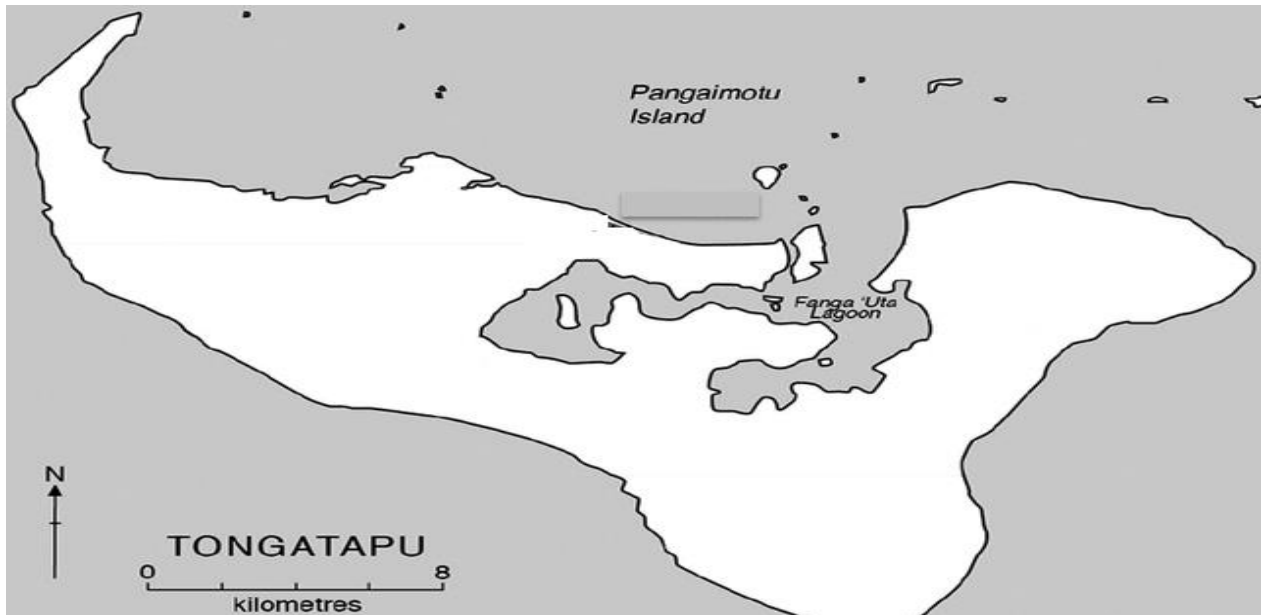
Answer ALL questions in this section. You should spend about 90 minutes on this section.

Part 1: Tourism Studies

Question 1: Map Work

On the map of Tongatapu, locate and name;

- **ONE (1)** natural tourist attraction site.



KEY

- a. Natural attraction site

Skill level 1	
1	
0	
NR	

- b. Name **ONE (1)** negative impact of tourism on the environment.

Skill level 1	
1	
0	
NR	

- c. Give **ONE (1)** solution to the negative impacts of tourism on the environment.

Skill level 1	
1	
0	
NR	

i. Describe **TWO** (2) factors that hinder the growth of tourism.

ii. Evaluate **TWO** (2) significances of tourism to economy.

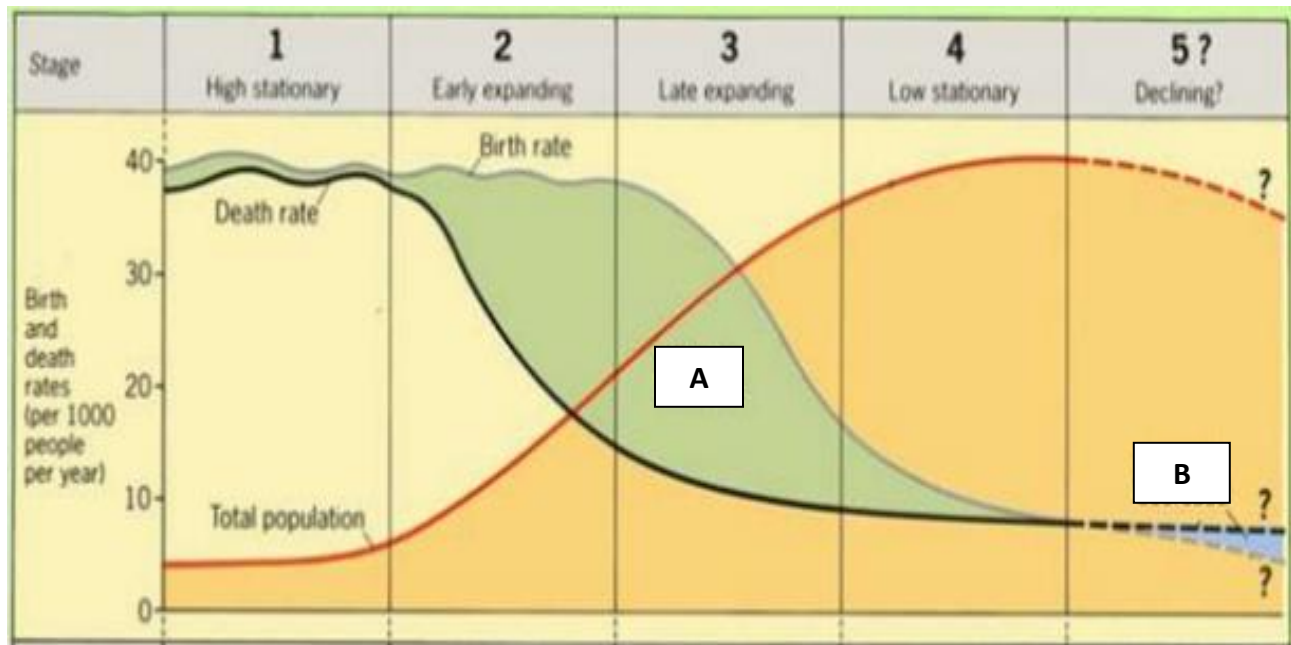
[illegible]

Skill level 4	
4	
3	
2	
1	
0	
NR	

Part 2: Population Studies

Question 1: Model Interpretation

Study the **graph** carefully then answer the questions that follow.



1.a. Define factor A.

Skill level 1	
1	
0	
NR	

1.b. Identify **ONE** (1) factor that influence population growth.

Skill level 1	
1	
0	
NR	

1.c. Name **ONE** (1) social problem associated with high population growth in India.

Skill level 1	
1	
0	
NR	

Question 2: Paragraph Writing

With reference to named examples from either Tonga or India;

- i. Describe **TWO** (2) problems of high population growth on the environment.
 - ii. Recommend **TWO** (2) solutions that help to solve the problems above.
-
- i. Describe **TWO** (2) problems of high population growth on the environment.

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Skill level 2	
2	
1	
0	
NR	

- ii. Recommend **TWO** (2) solutions that help to solve the problems above.

[illegible]

Skill level 4	
4	
3	
2	
1	
0	
NR	

Part 3: Agriculture

Question 1: Map Work

On the map below;

- Locate and name **ONE** (1) main horticulture area



a.

Main horticulture area

b.

Name **ONE** (1) main pastoral farming area.

c.

Name **ONE** (1) product produced in pastoral farming.

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

- i. describe **TWO** (2) importance of agriculture to the economy
- ii. evaluate **TWO** (2) importance of agriculture to the economy

i. Describe **TWO** (2) importance of agriculture to the economy

[illegible]

Skill level 2	
2	
1	
0	
NR	

ii. Evaluate **TWO** (2) importance of agriculture to the economy.

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Skill level 4	
4	
3	
2	
1	
0	
NR	

Part 4: Industrialization (Manufacturing and trade)

Question 1: Photo Interpretation

Study the **photo** carefully then answer the questions that follow.

A LIGHT MANUFACTURING INDUSTRY IN JAPAN



- a. Define light manufacturing industry.

Skill level 1	
1	
0	
NR	

- b. Describe **TWO** (2) features of a light manufacturing industry shown in the photo above.

Skill level 2	
2	
1	
0	
NR	

Question 2: Paragraph Writing

With reference to named examples from either Tonga or Japan;

- i. Describe **TWO** (2) developments in manufacturing industries in terms of marketing.
 - ii. Evaluate the effectiveness of the **TWO** (2) developments in manufacturing industry in terms of marketing.
-
- i. Describe **TWO** (2) developments in manufacturing industries in terms of marketing.

[illegible]

Skill level 2	
2	
1	
0	
NR	

- [illegible]

Skill level 4	
4	
3	
2	
1	
0	
NR	