

MARKER CODE				



STUDENT ENROLMENT NUMBER (SEN)									

TONGA SCHOOL CERTIFICATE

2019

GEOGRAPHY

QUESTION AND ANSWER BOOKLET

Time allowed: 3 Hours

INSTRUCTIONS:

1. Write your **Student Enrolment Number (SEN)** on the top right-hand corner of this page.
2. This paper consists of **THREE SECTIONS** and is out of 70 weighted score.
Answer **SECTION A**, **SECTION B** and **TWO QUESTIONS** only from **SECTION C**.

SECTIONS		TOPICS	TOTAL SKILL LEVEL
A		GEOGRAPHIC SKILLS AND IDEAS	10
B		PHYSICAL ENVIRONMENT	38
C	Please ✓ choice	OPTIONAL QUESTIONS	
		CULTURAL ENVIRONMENT	22
QUESTION 1		TOURISM STUDIES	11
QUESTION 2		POPULATIONS	11
QUESTION 3		AGRICULTURAL STUDIES	11
QUESTION 4		INDUSTRIALISATION	11
TOTAL			70

3. Write your answers in the spaces provided in this booklet.
4. Use a **BLUE** or **BLACK** ball point pen only for writing. Use a pencil for drawing if required.
5. If you need more spaces for answers, ask the supervisor for extra paper. Write your **Student Enrolment Number (SEN)** on each additional sheet, number the questions clearly and insert them in the appropriate places in this booklet.
6. Check that this booklet contains pages **2-31** in the correct order and that pages 29-31 has been deliberately left blank.

YOU MUST HAND IN THIS BOOKLET TO THE SUPERVISOR BEFORE YOU LEAVE THE EXAMINATION ROOM.

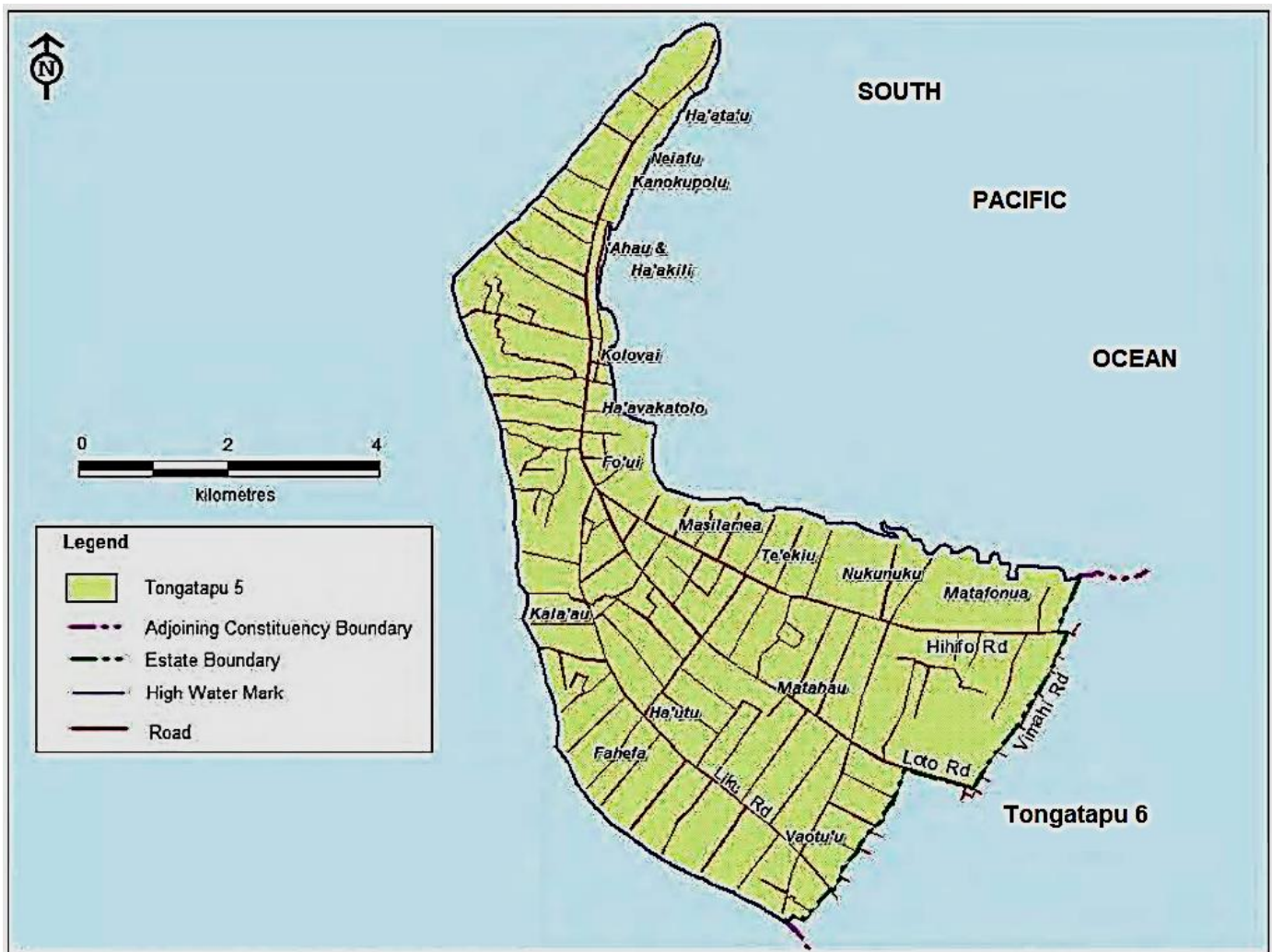
SECTION A: GEOGRAPHIC SKILLS AND IDEAS

ALL QUESTIONS are COMPULSORY.

QUESTION 1: MAP WORK

- a. Use the map of **TONGATAPU 5 ELECTORAL CONSTITUENCY** to answer the questions that follow.

Tongatapu 5 Electoral Constituency Map



Source: tongaelection.com

- i. State the **direction** of Matafonua from Kolovai.

Skill level 1	
1	
0	
NR	

Skill level 1	
1	
0	
NR	

- ii. Name the type of **scale** used in the map.

- iii. Describe a **cultural process** that may cause **changes** to the coastal area of Nukunuku.

Skill level 2	
2	
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0	
NR	

Skill level 3	
3	
2	
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NR	

QUESTION 3: NEWSPAPER ARTICLE INTERPRETATION

- a. Use the article below to answer the questions that follows.

Fines as high as \$875 to encourage people, companies to keep country clean



Photo: Australia Department of Foreign Affairs and Trade

NUKU‘ALOFA, Tonga (Matangi Tonga, March 30, 2017) – Tonga is getting serious about keeping public places clean as people and companies caught littering or disposing of waste illegally will be fined starting this Saturday, 1 April throughout the whole of Tonga. Fines will range from \$20 [US\$8.75] per infringement to \$2,000 [US\$875], depending on the severity of the disposal and on the spot fines may also be issued.

Source: Matangi Tonga Magazine Copyright © 2017 Matangi Tonga.

- i. Identify the message displayed in the newspaper article.

Skill level 1	
1	
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NR	

- ii. Describe **ONE** (1) possible positive impact of the action that started on the 1st April 2017 on the environment.

Skill level 2	
2	
1	
0	
NR	

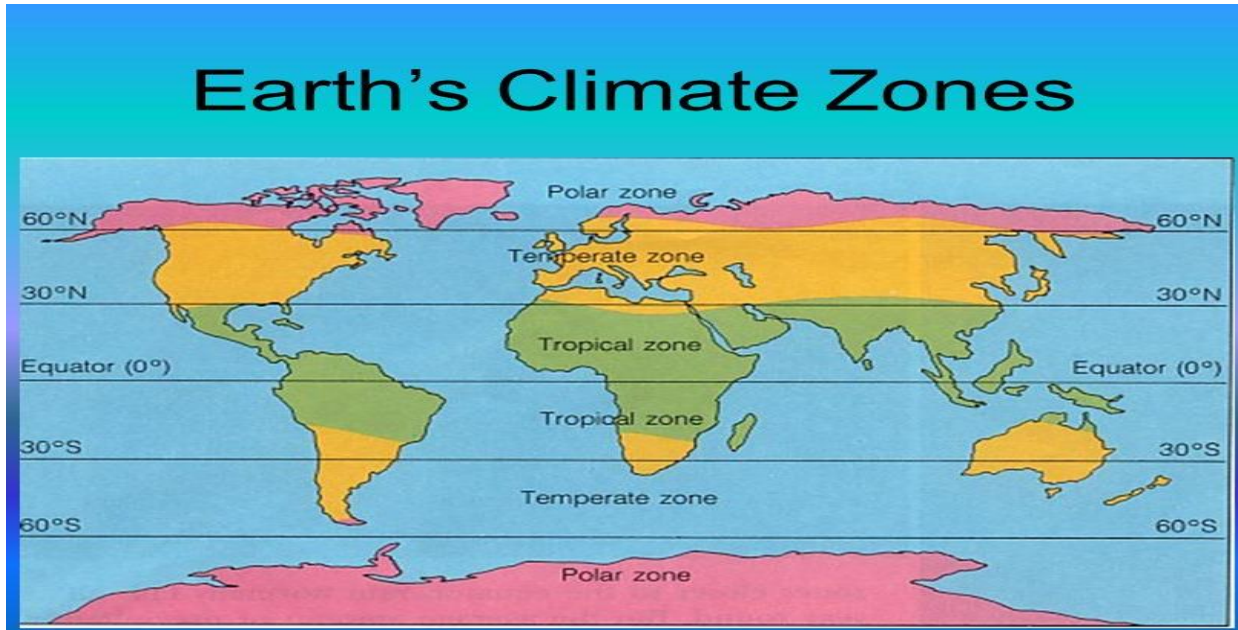
SECTION B: PHYSICAL GEOGRAPHY

ALL QUESTIONS are COMPULSORY

QUESTION 1: CLIMATE

a. Climatic zones

Use the map below to answer the questions that follow.



Source: <http://www.billyknight33.com/climate-zone-9-map>

i. Name the factor that affects the earth's climate.

Skill level 1	
1	
0	
NR	

ii. Humidity.

Describe the nature of humidity at the Polar zone.

Skill level 2	
2	
1	
0	
NR	

b. Climate.

i. Define weather.

Skill level 1	
1	
0	
NR	

c. Temperature.

Use the picture below to answer the question that follows.



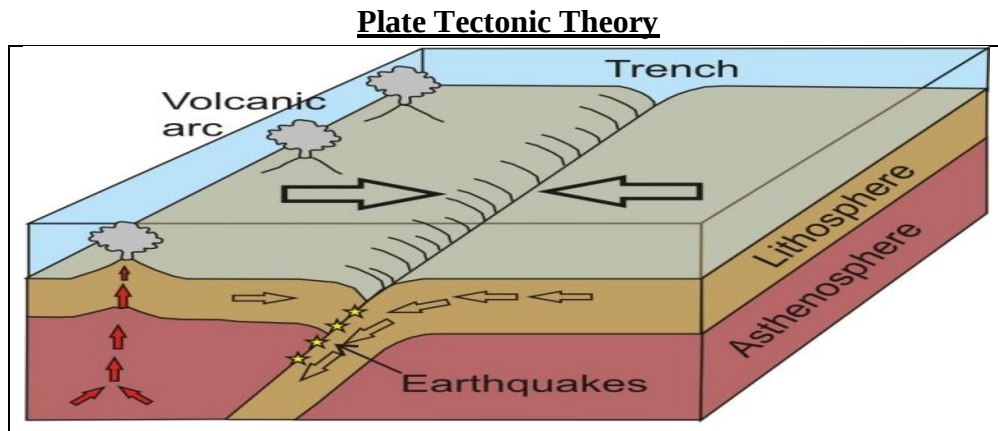
i. Describe the nature of temperature on the volcanic island of Tafahi.

Skill level 2	
2	
1	
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NR	

Source: Social Science - Water - 13087569 | Meritnation.com

QUESTION 2: RELIEF

- a. Use the model of the Plate Tectonic Theory below to answer the questions that follow.



Source: www.leeds.ac.uk

- i. Define oceanic trench.

Skill level 1	
1	
0	
NR	

- ii. Describe the process of earthquakes.

Skill level 2	
2	
1	
0	
NR	

- iii. Explain the formation of volcanic islands.

Skill level 3	
3	
2	
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- b. Below is an aerial photograph of ‘Eueiki Island in the Tongatapu group of islands. Study it carefully and answer the question that follows.

Photograph of ‘Eueiki Island



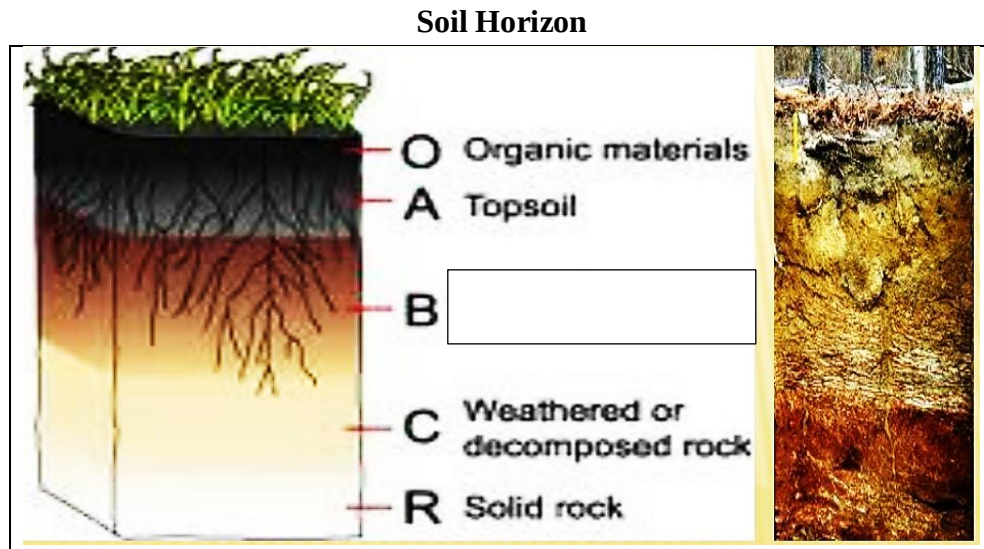
Source: www.tonywu.photoshelter.com

Describe the features of low coral islands shown in the photograph of ‘Eueiki Island.

Skill level 2	
2	
1	
0	
NR	

QUESTION 3: SOIL

- a. Use the information shown in the diagram of soil profile below to answer the questions that follow.



Skill level 1	
1	
0	
NR	

- i. Label **horizon B** correctly.

- ii. Define soil horizon.

Skill level 1	
1	
0	
NR	

- iii. State the horizon in which most animals live and help in making soil.

Skill level 1	
1	
0	
NR	

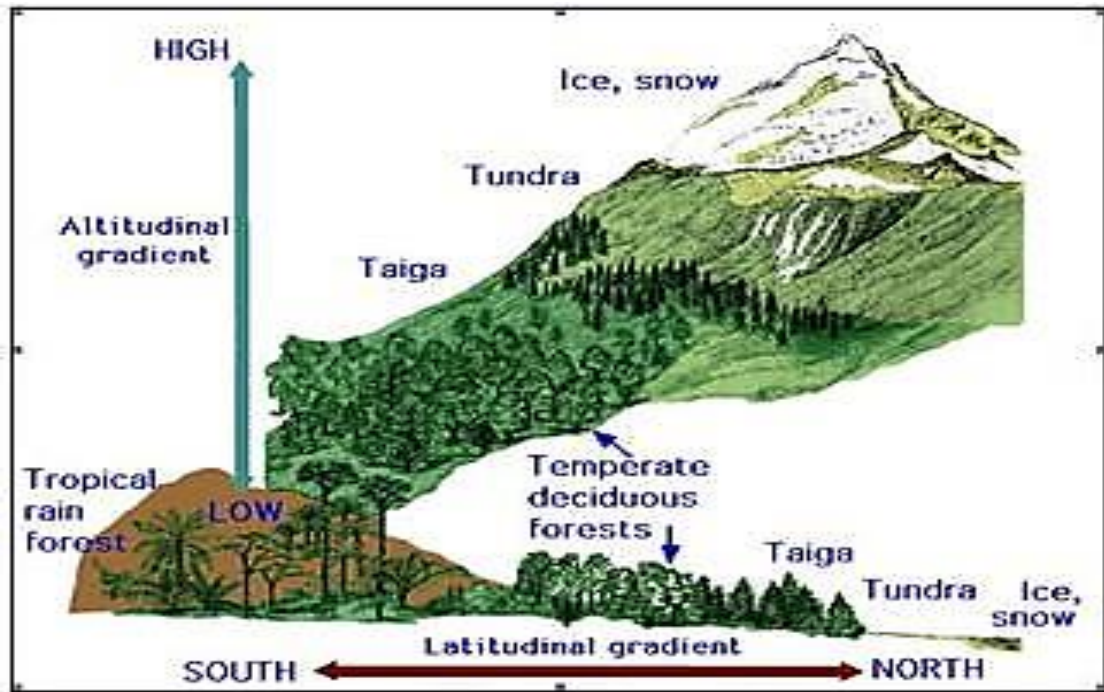
- iv. Describe the process of soil formation that is taking place at **C**.

Skill level 2	
2	
1	
0	
NR	

QUESTION 4: INTER-RELATIONSHIPS OF PHYSICAL ELEMENTS OF NATURE

a. Use the diagram below to answer the questions that follow.

PHYSICAL ELEMENTS OF NATURE INTERACTIONS



Source: www.benance.net/rube.1570

i. Name **ONE (1)** element of the physical environment shown in the diagram.

Skill level 1	
1	
0	
NR	

ii. Describe the interactions of any **TWO (2)** elements of nature shown in the diagram.

Skill level 2	
2	
1	
0	
NR	

iii. Explain the impacts of the interactions of the elements of nature on the environment.

[illegible]

Skill level 3	
3	
2	
1	
0	
NR	

i. Explain how the environmental issue shown in the cartoon affects people.

[illegible]

Skill level 3	
3	
2	
1	
0	
NR	

- ii. Evaluate the effectiveness of solutions in solving the environmental issue shown in the cartoon.

Skill level 4	
4	
3	
2	
1	
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NR	

SECTION C: CULTURAL ENVIRONMENT

You must ANSWER ONLY TWO QUESTIONS from this section.

QUESTION 1: TOURISM STUDIES TONGA AND NEW ZEALAND

a. NEW ZEALAND

Use the map of New Zealand below to answer the questions that follow.



Source: www.google.com

Skill level 1	
1	
0	
NR	

i. Locate the city of Rotorua on the map.

ii. Name an element involved in tourism development in New Zealand.

Skill level 1	
1	
0	
NR	

[illegible]

Skill level 3	
3	
2	
1	
0	
NR	

i. List **TWO** (2) factors that hinder tourism development in Tonga.

Skill level 2	
2	
1	
0	
NR	

ii. Evaluate the importance of the positive impacts of tourism on the people of Tonga.

[illegible]

Skill level 4	
4	
3	
2	
1	
0	
NR	

QUESTION 2: POPULATION STUDIES TONGA AND INDIA

a. INDIA

Use the map of India below to answer the questions that follow.



i. Name the city at **A**.

Skill level 1	
1	
0	
NR	

ii. Name a factor that contributes to the high population density at New Delhi city.

Skill level 1	
1	
0	
NR	

- iii. Explain how high population growth affects the environment at the Ganges Plain.

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 3	
3	
2	
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NR	

b. **TONGA**

- i. List **TWO** (2) social problems associated with high population density at Tongatapu.

Skill level 2	
2	
1	
0	
NR	

- ii. Recommend solutions to solve the problems of high population growth in Tonga.

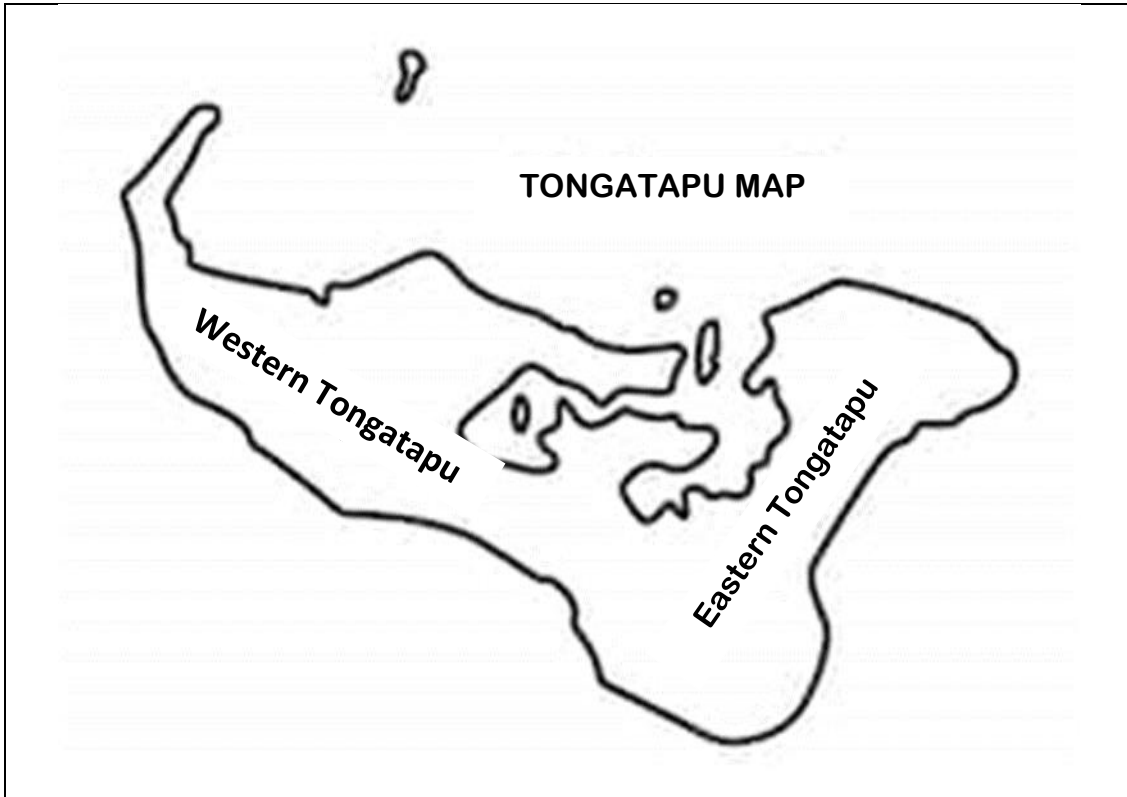
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Skill level 4	
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QUESTION 3: AGRICULTURAL STUDIES TONGA AND NEW ZEALAND

a. TONGA

Use the map of Tongatapu below to answer the questions that follow.



- i. Give a named example of commercial farming at Eastern (Hahake) Tongatapu.

Skill level 1	
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NR	

- ii. Name an example of traditional agricultural method used by farmers at Western (Hihifo) Tongatapu.

Skill level 1	
1	
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NR	

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Skill level 3	
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i. List **TWO** (2) problems of horticultural farming in New Zealand.

Skill level 2	
2	
1	
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NR	

- ii. Evaluate the effectiveness of a solution used to solve problems of dairy farming in New Zealand.

Skill level 4	
4	
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2	
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QUESTION 4: INDUSTRIALISATION TONGA AND JAPAN

a. JAPAN

Use the map of JAPAN below to answer the questions that follow.



Source: www.google.com

- i. Locate the industrial area of Kobe-Osaka with an **A**.

Skill level 1	
1	
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NR	

- ii. Define Import substitution.

Skill level 1	
1	
0	
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- iii. Explain **ONE** (1) factor that hinders the development of industries in Japan.

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 3	
3	
2	
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0	
NR	

b. **TONGA**

- i. List **TWO** (2) importance of manufacturing and trading to Tonga.

Skill level 2	
2	
1	
0	
NR	

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The paper itself is a clean, off-white color.

Skill level 4	
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