



MARKER CODE

STUDENT ENROLMENT NUMBER (SEN)

TONGA SCHOOL CERTIFICATE

2021

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 scores.
Answer **SECTION A**, **SECTION B** and **TWO QUESTIONS** only from **SECTION C**.

QUESTION		STRANDS	TOTAL SKILL LEVEL
A		GEOGRAPHIC SKILLS AND IDEAS	17
B		PHYSICAL GEOGRAPHY	31
C	Please ✓ choice	OPTIONAL QUESTION	
		CULTURAL GEOGRAPHY	22
QUESTION 1		TOURISM STUDIES	11
QUESTION 2		POPULATION STUDIES	11
QUESTION 3		AGRICULTURAL STUDIES	11
QUESTION 4		INDUSTRIALIZATION	11
TOTAL			70

3. Answer **ALL QUESTIONS**. 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 space 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 - 27** in the correct order and that pages 33 - 35 have 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 IN THIS SECTION ARE COMPULSORY

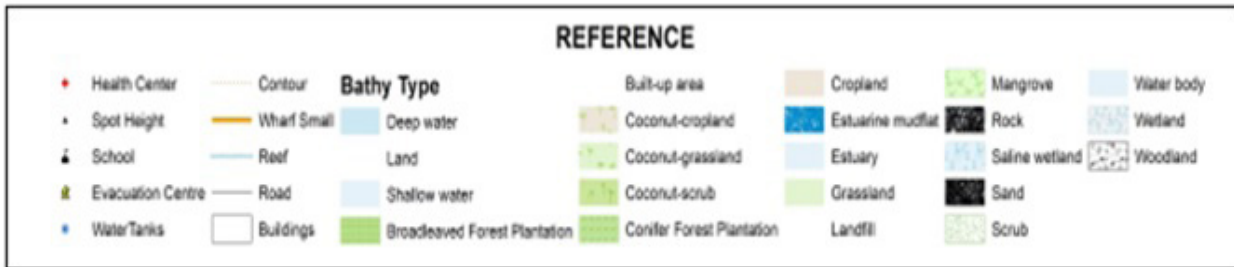
QUESTION 1: GEOGRAPHIC SKILLS

A. MAPPING SKILLS

Use the map of Ha'afeva Island in **Figure 1** to help answer the questions that follow.

Figure 1: Map of Ha'afeva Island





Source: LGIS Unit, MLNF 2021 ©

1. Name the **type of vegetation** highly found in the Western coastal areas of Ha‘afeva.

Skill level 1	
1	
0	
NR	

2. Identify the type of scale used on the map.

Skill level 1	
1	
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3. Which side of the island do people highly use for settlement?

Circle the **LETTER** of the best answer

- A. North West
B. North East
C. South East
D. South West

Skill level 1	
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4. Measure the **distance** between point **A** and point **B** on the map of Ha‘afeva.

Skill level 2	
2	
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5. Name the type of map used to show Ha‘afeva island on **page 2**.

Skill level 1	
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NR	

Skill level 3	
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C. OTHER GEOGRAPHIC ILLUSTRATIONS

Study **Figure 3** then answer the questions that follow.

Figure 3: How to wisely use water



Source: <https://www.google.com/search?q=water+conservation>

7. Describe the message displayed in **Figure 3** above.

Skill level 2	
2	
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SECTION B:

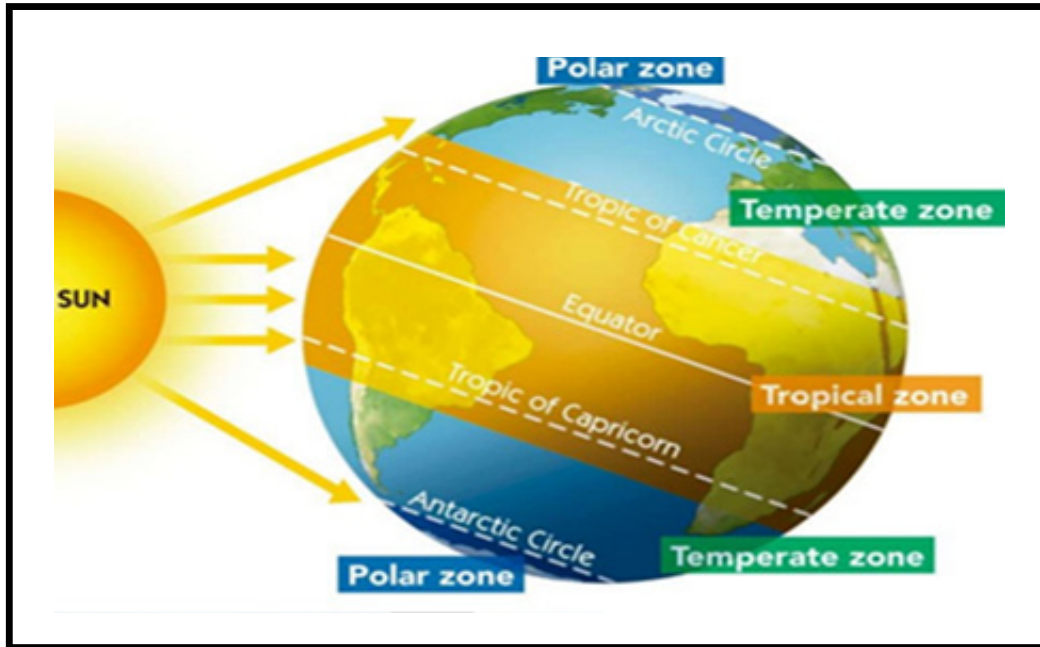
PHYSICAL GEOGRAPHY

ALL QUESTIONS IN THIS SECTION ARE COMPULSORY

QUESTION 1: CLIMATE

Study **Figure 4** to answer the questions that follow.

Figure 4: World's Major Climatic Zone



Source: www.google.com

1. Explain how latitude lines determine the world's climatic zones.

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Skill level 3	
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2. Every day in Tonga a weather forecast is issued. Two important elements of the weather forecast are temperature and wind. Define the terms:

i. Temperature

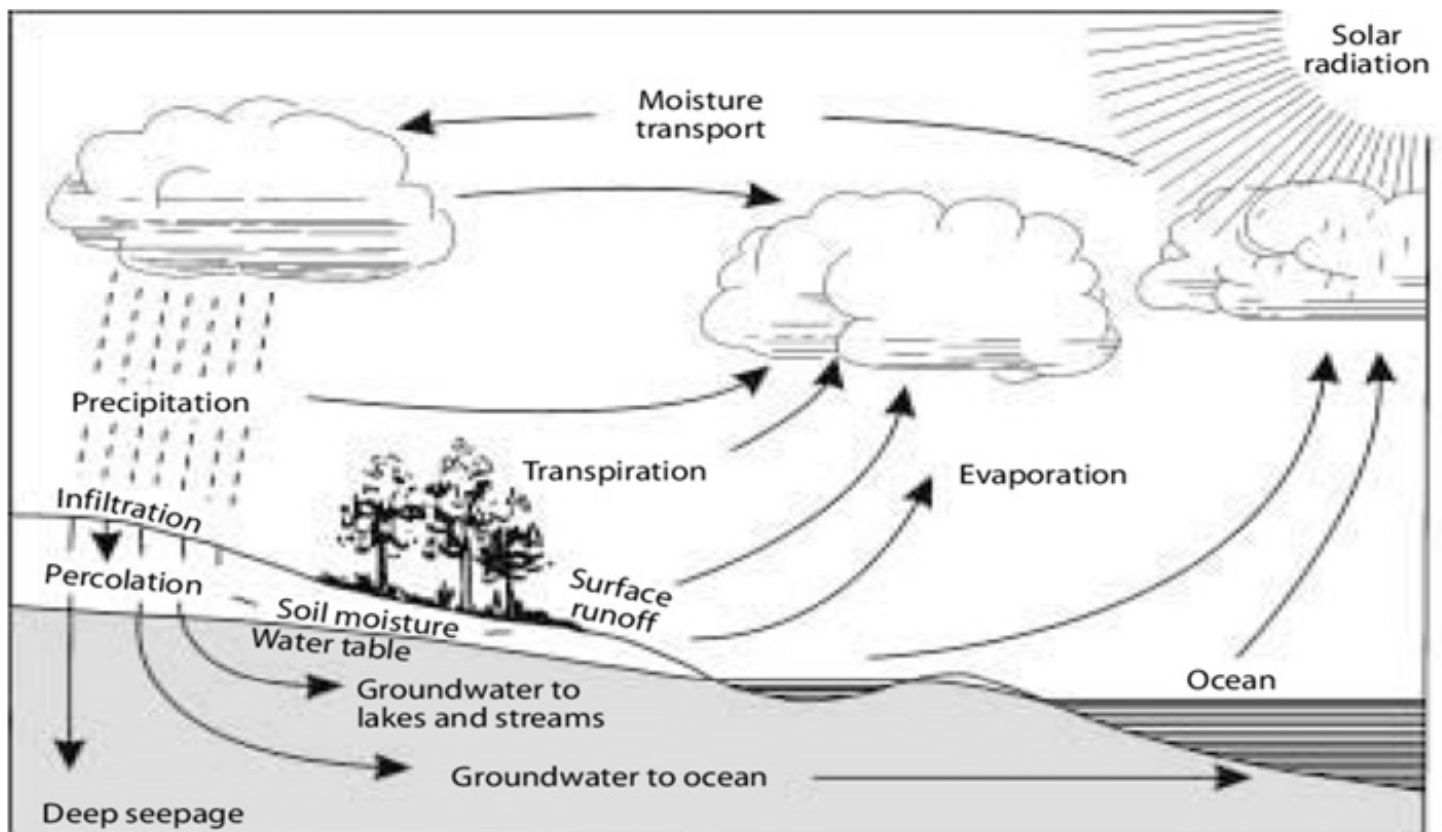
Skill level 1	
1	
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ii. Wind

Skill level 1	
1	
0	
NR	

Study **Figure 5** then answer the question that follow.

Figure 5: Processes in Water Cycle



Source: https://www.researchgate.net/figure/The-hydrological-cycle_fig1_227365036

3. Evaluate the importance of the links among the processes of the water cycle in **Figure 5** to the formation of rainfall.

[illegible]

Skill level 4	
4	
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QUESTION 2: RELIEF

Study **Figure 6** to answer the questions that follow.

Figure 6 : Map of Tofua Island



Source: <https://www.pinterest.com/pin/348043877446283544/>

1. Give a description from the photo in **Figure 6** that Tofua island has a distinctive feature of a volcanic island.

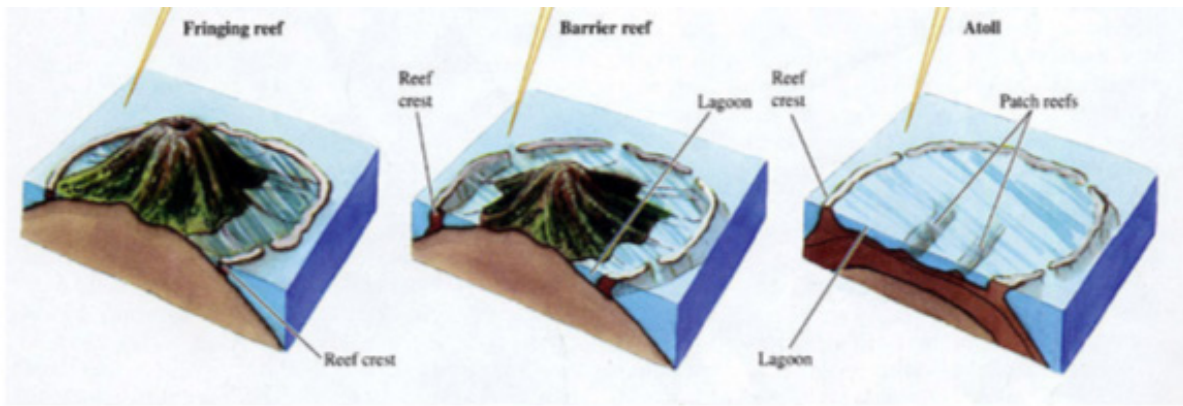
Skill level 2	
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2. Explain how volcanic islands are being formed.

Skill level 3	
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Study **Figure 7** to help answer the questions that follow.

Figure 7: Formation of coral atolls



Source: www.google.com

3. Define the term **coral atoll**.

Skill level 1	
1	
0	
NR	

4. Describe a distinctive feature of low coral island.

Skill level 2	
2	
1	
0	
NR	

QUESTION 3: SOIL

Study **Figure 8** to answer the questions that follow.

Figure 8: Agents of weathering



Source: <http://player.discoveryeducation.com>

1. Define the term **weathering**.

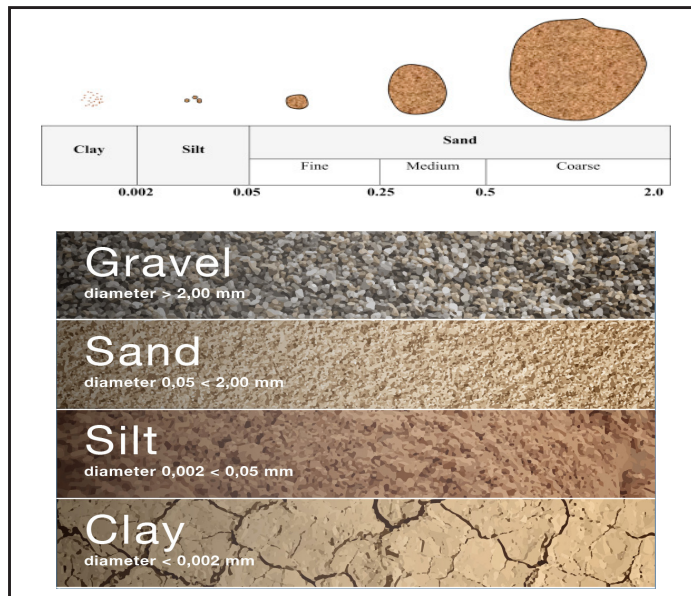
Skill level 1	
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2. Relate how the agents of weathering are important for the formation of soil.

Skill level 3	
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NR	

Study **Figure 9** to answer the questions that follow.

Figure 9: Soil texture and particle sizes



Source: 2018italianowine.com

3. Define **soil texture**.

Skill level 1	
1	
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NR	

4. Describe the features of Silt.

Skill level 2	
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5. Differentiate sandy soil from clay soil in terms of their capacity to hold water.

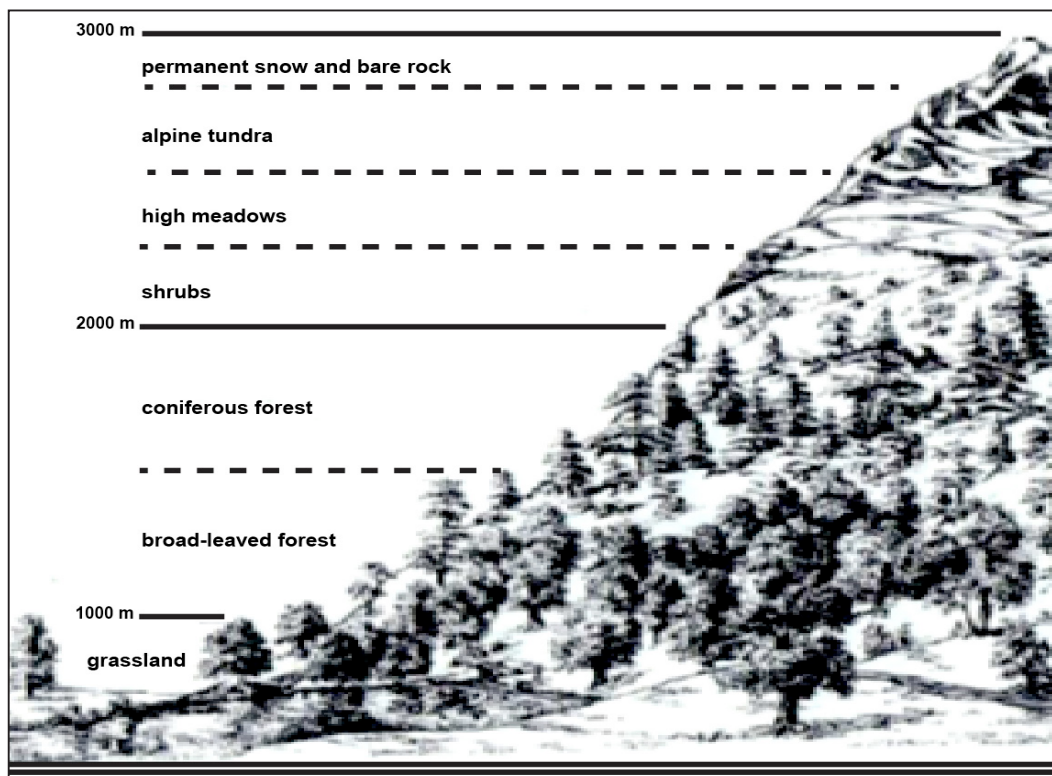
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Skill level 3	
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QUESTION 4: INTERACTIONS OF PHYSICAL ELEMENTS OF NATURE

Study **Figure 10** then answer the questions that follow.

Figure 10: Changes in vegetation



Source: North America by D Waugh 1984

1. List any **TWO (2)** elements of nature that are interacting in the above diagram.

- i. _____
- ii. _____

Skill level 2	
2	
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NR	

2. Describe the effect of cutting down broad leaved forest on the environment.

Skill level 2	
2	
1	
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SECTION C:

CULTURAL GEOGRAPHY

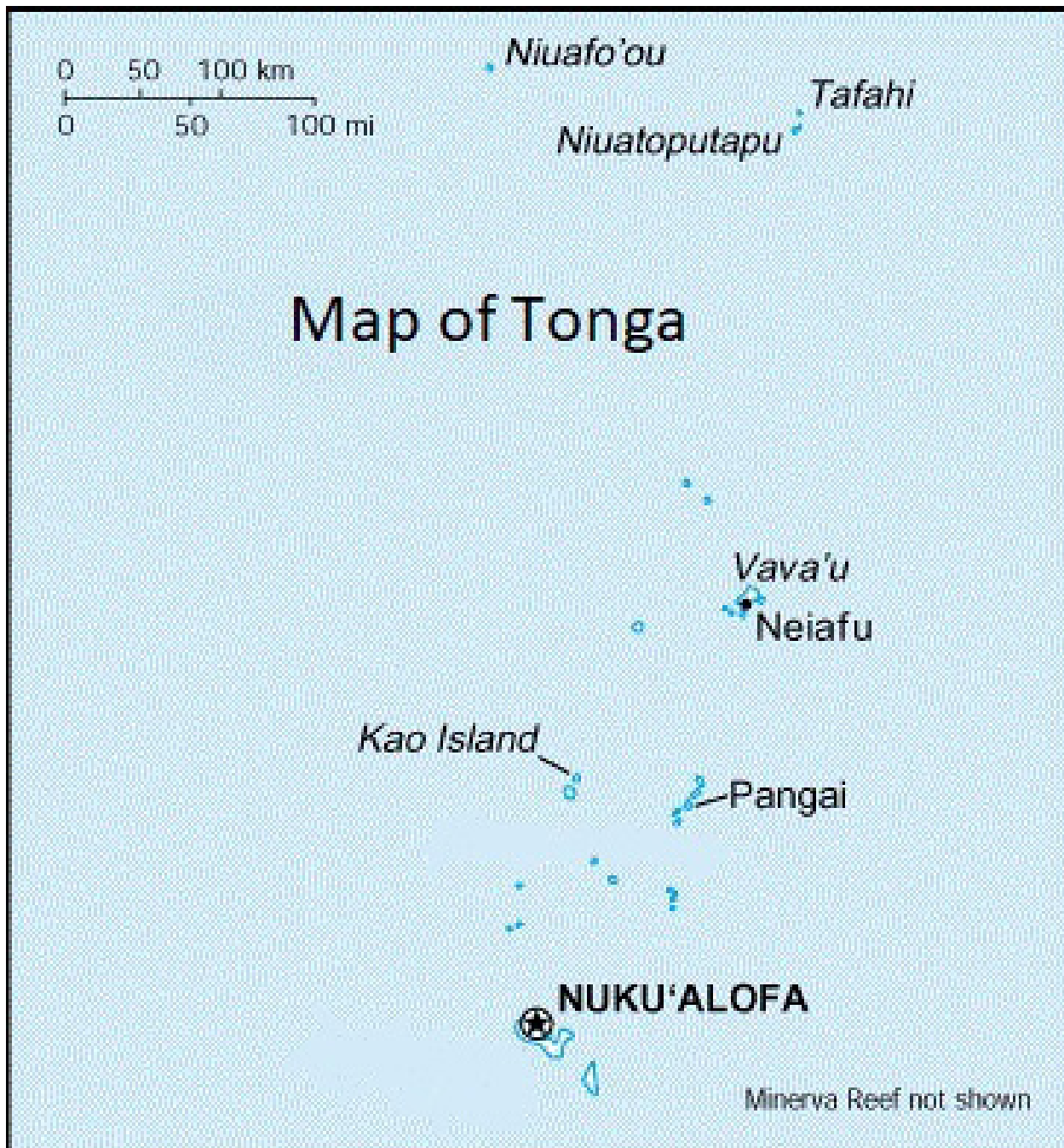
You must answer **ONLY TWO QUESTIONS** from this section.

QUESTION 1: TOURISM STUDIES TONGA AND NEW ZEALAND

A. **TONGA.** Use the **Map of Tonga** in **Figure 11** to:

1. **Circle ONE (1)** named island group where whale watching highly promotes growth of tourism.
2. **Locate** with an **X** the island of Tongatapu

Figure 11: Map of Tonga



Source: www.google.com

Skill level 1	
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Skill level 1	
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3. Explain why tourism is important to the economy of Tonga.

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Skill level 3	
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B. NEW ZEALAND

4. Describe a **negative** impact of tourism activities on the lives of people in New Zealand.

[illegible]

Skill level 2	
2	
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5. With named examples, recommend solutions to solve the **negative** impacts of tourism on the environment of New Zealand.

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Skill level 4	
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QUESTION 2: POPULATION STUDIES

TONGA AND INDIA

A. INDIA

Read the questions carefully, then answer the questions in the spaces provided

1. Name a city in India with a very high population density.

Skill level 1	
1	
0	
NR	

2. Define the term **decentralization**.

Skill level 1	
1	
0	
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3. Describe a problem associated with high population growth in India.

Skill level 2	
2	
1	
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4. Study **Figure 12** to explain factors that contribute to the population distribution of Tonga in 2016.

5. Evaluate **ONE (1)** effective way of solving high population density at the Nuku'alofa area in Tongatapu.

[illegible]

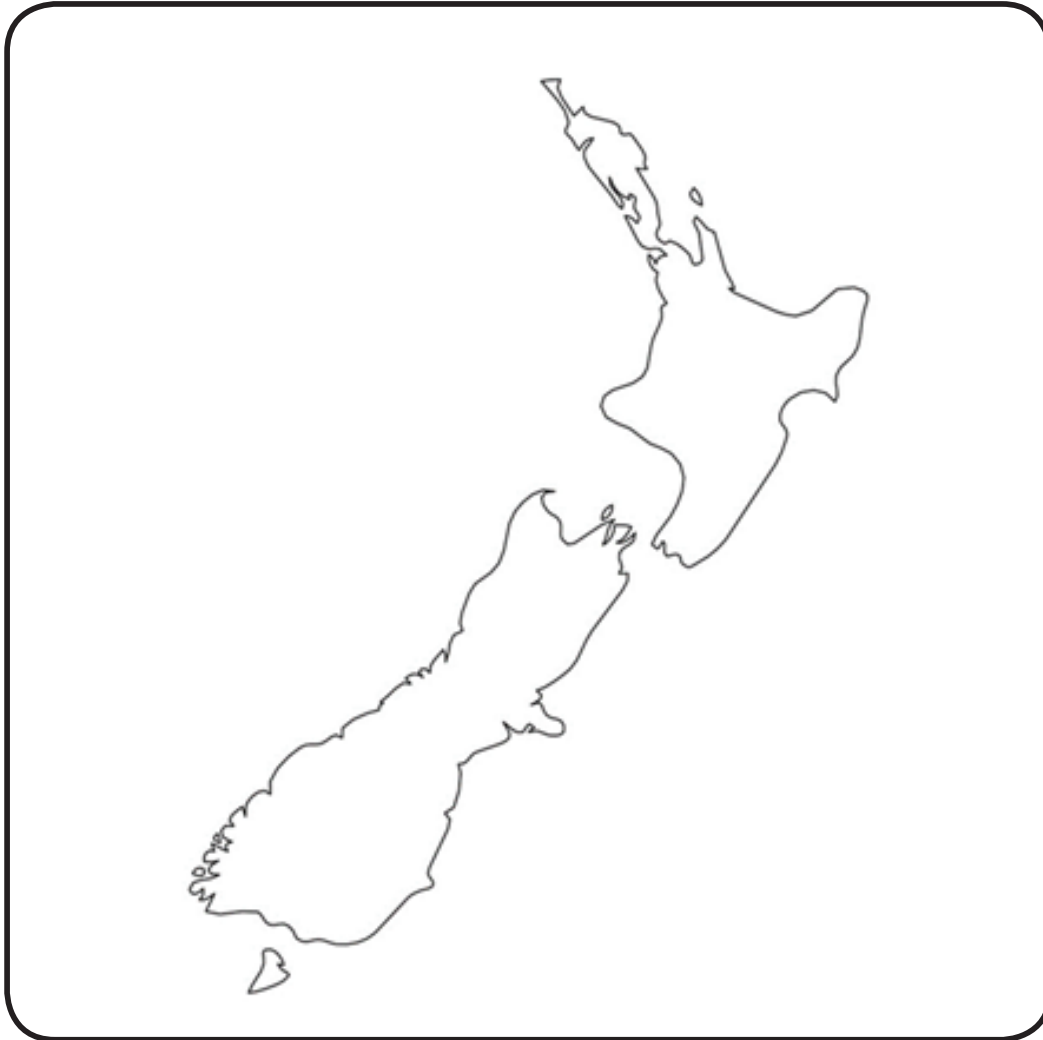
Skill level 4	
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A. NEW ZEALAND

Use the outline map of New Zealand in **Figure 13** to;

1. Locate and name **ONE (1)** famous dairy farming area in the South island.

Figure 13: Outline map of New Zealand



Source: www.google.com

Skill level 1	
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Skill level 1	
1	
0	
NR	

2. Describe **ONE (1)** modern agricultural method used in New Zealand.

Skill level 2	
2	
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B. TONGA

3. Explain how **ONE (1)** change in agriculture has been an advantage to cash crop farmers.

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Skill level 3	
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4. Justify, with examples, the importance of agriculture to the economy of Tonga.

[illegible]

Skill level 4	
4	
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QUESTION 4: INDUSTRIALISATION

TONGA AND JAPAN

A. JAPAN

Use the outline map of Japan in **Figure 14** to answer questions 1. and 2.

Figure 14: JAPAN



Source: www.pinterest.dk/WorldMap.net

1. Locate on the map the industrial area of Kitakyushu.
2. Name the type of industry practiced in this area X.

Skill level 1	
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Skill level 1	
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0	
NR	

- Evaluate the importance of the location of industries to the distribution of manufacturing industries in Japan.

[illegible]

Skill level 4	
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B. TONGA

Study the photos in **Figure 15** to help answer the questions that follow.

Figure 15: Manufacturing and Businesses in Tonga



4. List **TWO (2)** importance of manufacturing and trading to the general economy of Tonga.

- i. _____
- ii. _____

Skill level 2	
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5. Explain **ONE (1)** factor that hinders the development of industries in Tonga.

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