

MARKER CODE				



STUDENT ENROLMENT NUMBER (SEN)									

TONGA FORM SIX CERTIFICATE

2020

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 **FIVE SECTIONS** and is out of 70 weighted scores.

SECTIONS	TOPICS	TOTAL SKILL LEVEL
PHYSICAL GEOGRAPHY		
A	LIVING WITH NATURAL HAZARDS	22
B	USE AND MANAGEMENT OF WATER RESOURCES	8
CULTURAL GEOGRAPHY		
C	CONSEQUENCES OF POPULATION GROWTH	19
D	THE CHALLENGE OF URBANIZATION AND URBAN ENVIRONMENTS	9
E	GEOGRAPHIC PERSPECTIVES OF TOURISM	12
TOTAL		70

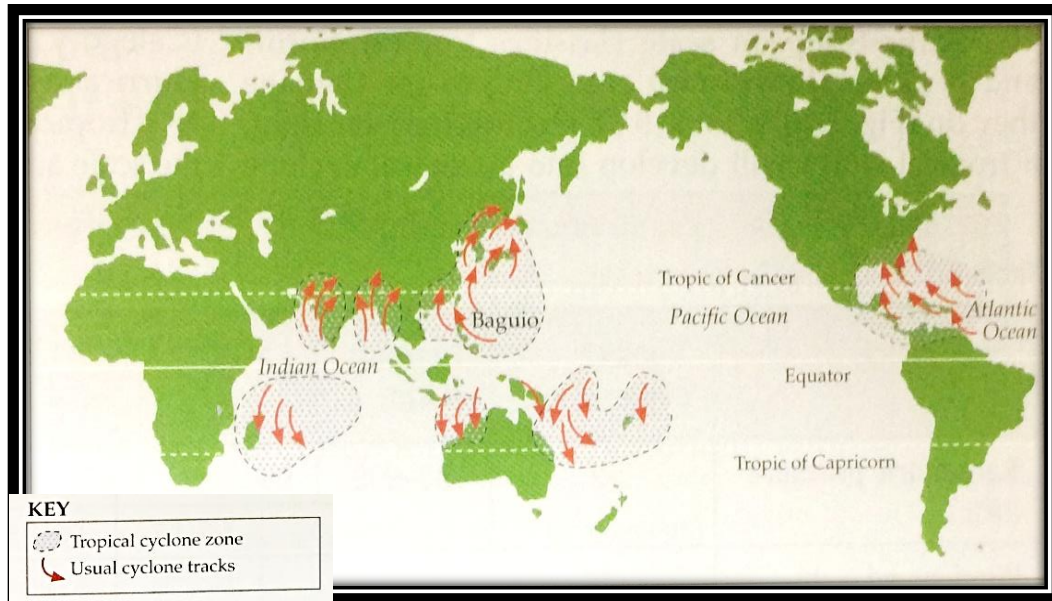
3. Answer ALL QUESTIONS. Write your answers in the spaces provided in this booklet.
4. Use a **BLUE** or **BLACK** ballpoint pen only for writing. Use a pencil for drawing if required.
5. If you need more spaces for answers, ask the supervisor for extra paper. Write your **Student Enrolment Number (SEN)** on each additional sheet, number the questions clearly and insert them in the appropriate places in this booklet.
6. Check that this booklet contain pages **2-23** in the correct order and that pages 22-23 have been deliberately left blank.

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

PHYSICAL GEOGRAPHY**WEIGHT: 30****SECTION A: LIVING WITH NATURAL HAZARDS****QUESTION 1: TROPICAL CYCLONES**

Study the world map in **Figure 1** below and answer the questions that follow.

Figure 1: Tropical Cyclone belts of the world



- a. Define location.

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- b. Analyse **TWO** different processes that occurs within these zones (shown in **Figure 1**) in the development of a Tropical Cyclone.

c. Name the Tropical Cyclone zone that often affects countries in the South Pacific.

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Study **Figure 2** below, then answer the questions that follow.

Figure 2: Effects of Tropical Cyclone Harold in Tonga



e. Describe the different effects of Tropical Cyclone Harold on the people and the environment.

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- f. With reference to a named Case Study, explain **ONE** planned response to a named Tropical Cyclone and their implications.

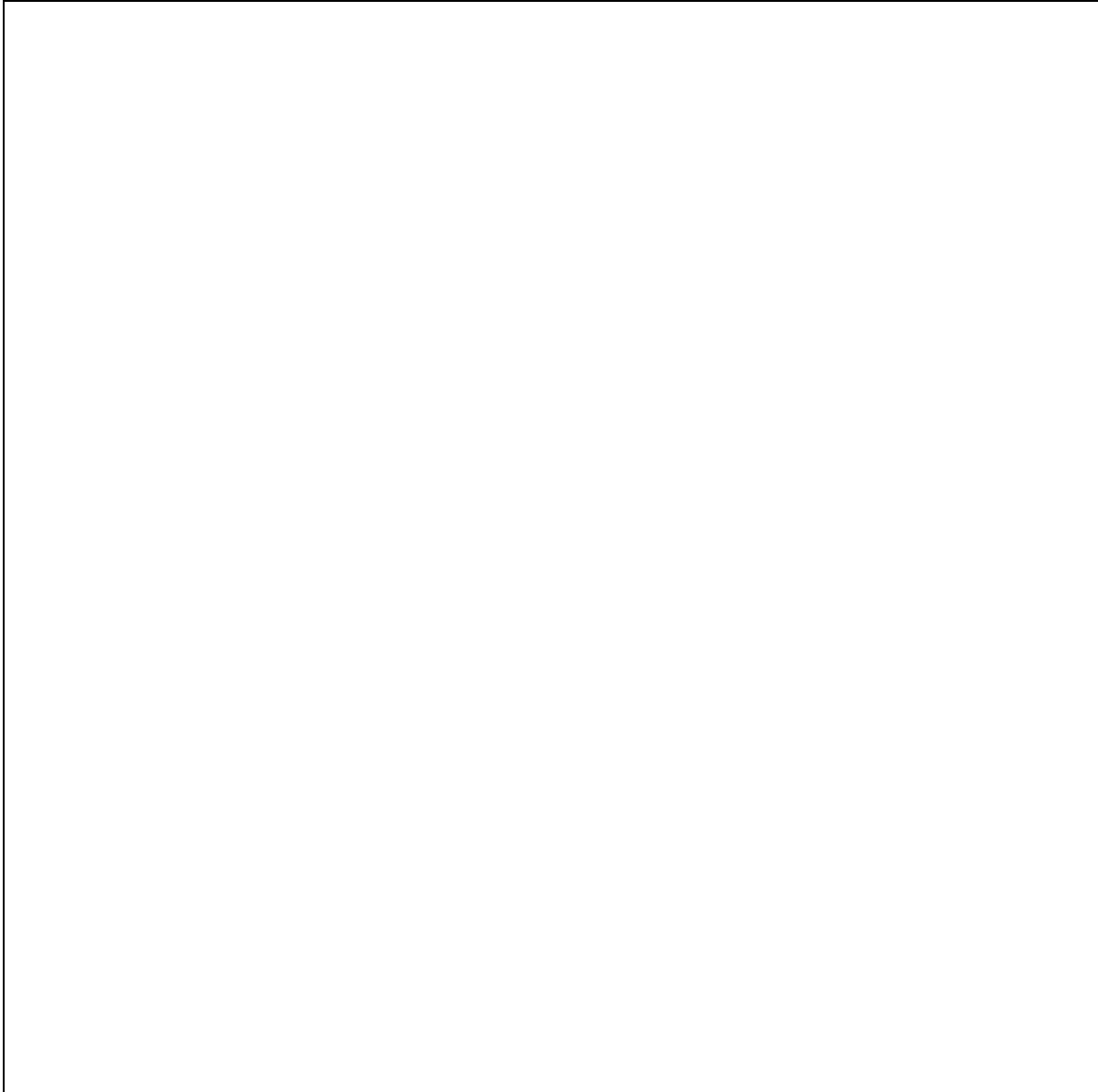
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QUESTION 2: VOLCANIC ERUPTION OR EARTHQUAKE.

Circle **ONE** topic of your choice either a **Volcanic** OR an **Earthquake**.

- a. In the space provided below, draw a cross-section of a volcano **or** earthquake.



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- b. On your cross section diagram, name **ONE** feature of the volcano **or** earthquake.

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- c. Define Richter Scale.

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- d. With reference to named examples, explain the effects of volcanoes **or** earthquakes on the people.

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- e. Identify **ONE** planned response to volcanic eruptions **or** earthquakes and its implications.

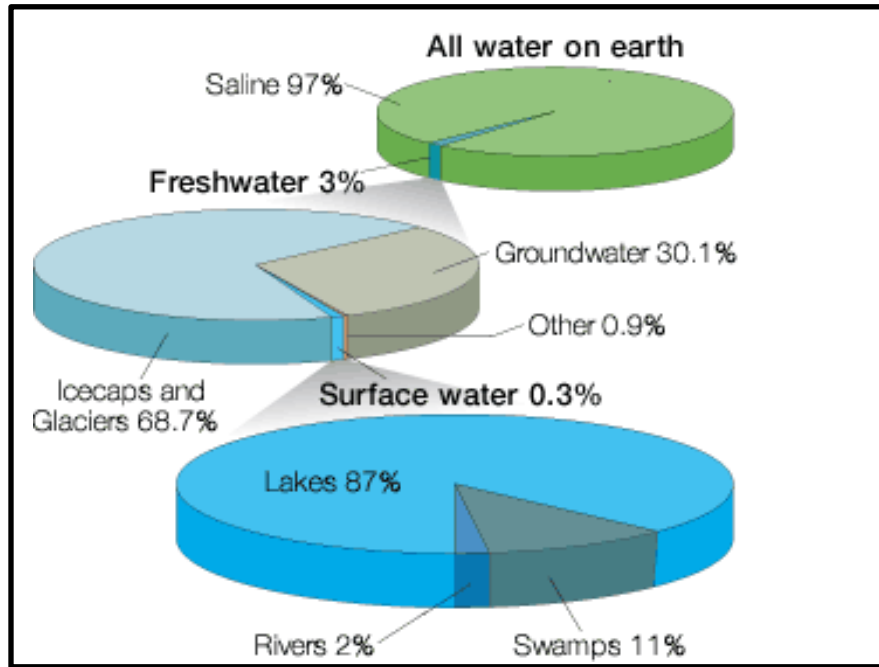
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SECTION B: USE AND MANAGEMENT OF WATER RESOURCES

QUESTION 1: GLOBAL DISTRIBUTION OF WATER RESOURCES

Study the graphs in **Figure 3** below, then answer the questions that follow.

Figure 3: Water Distribution on Earth



- a. With reference to **Figure 3** above, name the type of graph used.

- b. Identify **ONE** message about global distribution of water resources.

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- c. Explain **TWO** factors that affects the global pattern of distribution of fresh water resources.

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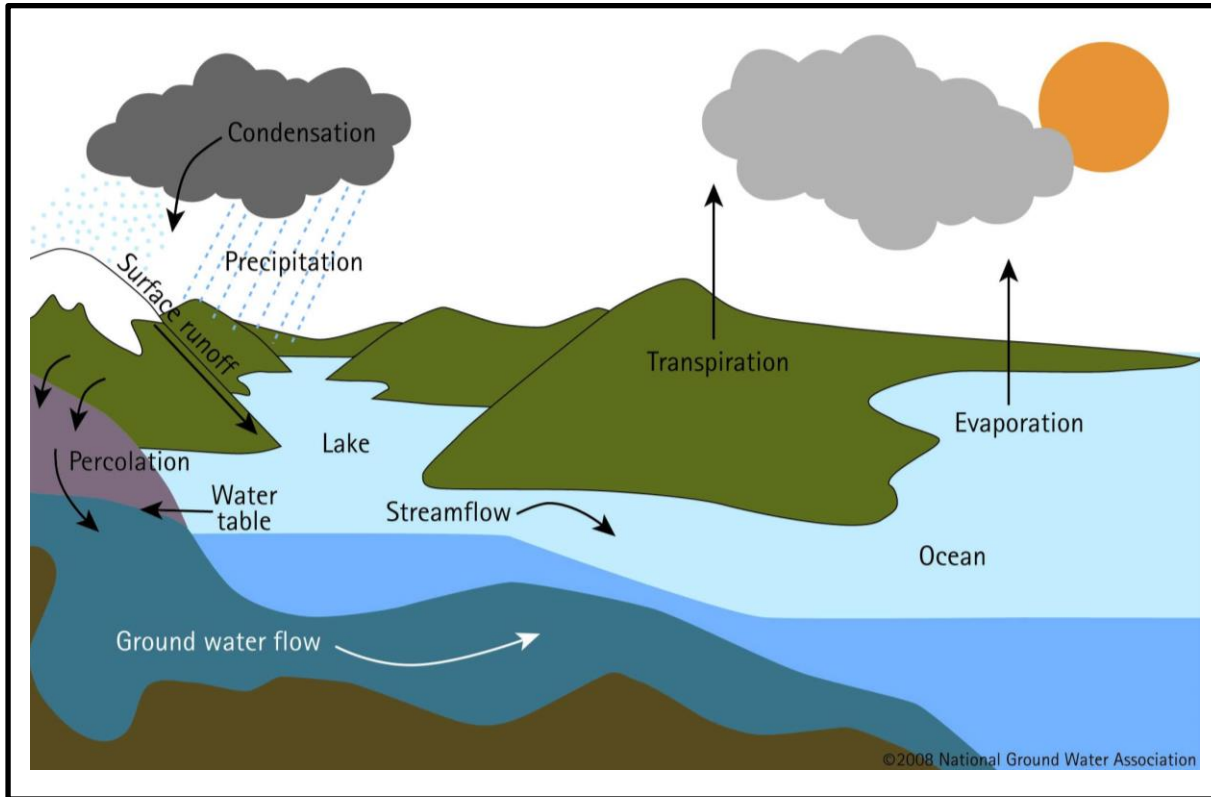
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- d. Define non-renewable resource.

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Study the diagram in **Figure 4** below, then answer the questions that follow.

Figure 4: The Hydrological Cycle



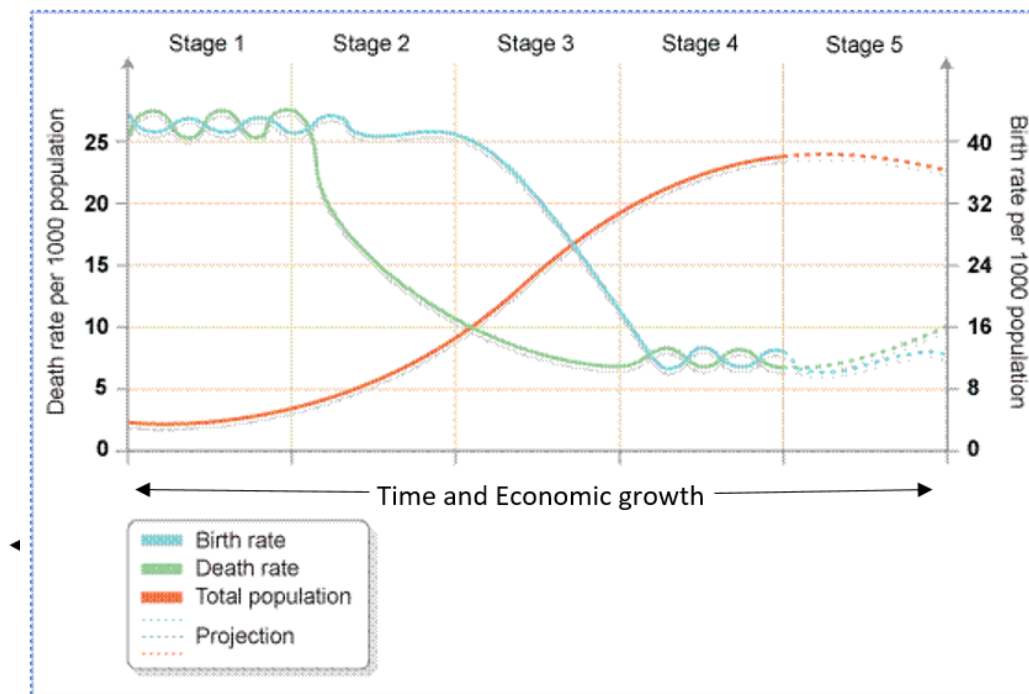
e. Describe the condensation process within the Hydrological Cycle.

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CULTURAL GEOGRAPHY**WEIGHT: 40****SECTION C: CONSEQUENCES OF POPULATION GROWTH****QUESTION 1:**

Study **Figure 5** below, then answer the questions that follow.

Figure 5: The Demographic Transition Model



- a. On the Demographic Transition Model **Figure 5** above, shade an area referred to as:
'Natural Increase.'
- b. Explain reasons for the low natural increase (population growth) rates in stages 1 and 4.

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- c. Define Net Migration.

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Study the figures shown in **Table 1** below, then answer the questions that follow.

Table 1: Figures showing New Zealand's changing population, 1960-2012

Factors / Years	1960	1986	2006	2012
Birth rate (per 1000 population)	27	16.1	13.7	13.6
Family size	4.3	2	1.8	<1.8
Infant mortality (per 1000 population)	20	10	5.76	4.7
Life expectancy (years)	72	74	78.8	80.7

- d. Write **THREE** statements summarising the trends shown in Table 1.

Study the photo in **Figure 6** below then answer the questions that follow.

Figure 6: Population change around the world



- g. State an implication of the planned response to population change in developed countries as shown in **Figure 6** above.

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- h. With reference to a Case Study, recommend **TWO** other alternative strategies to manage population change and its effects.

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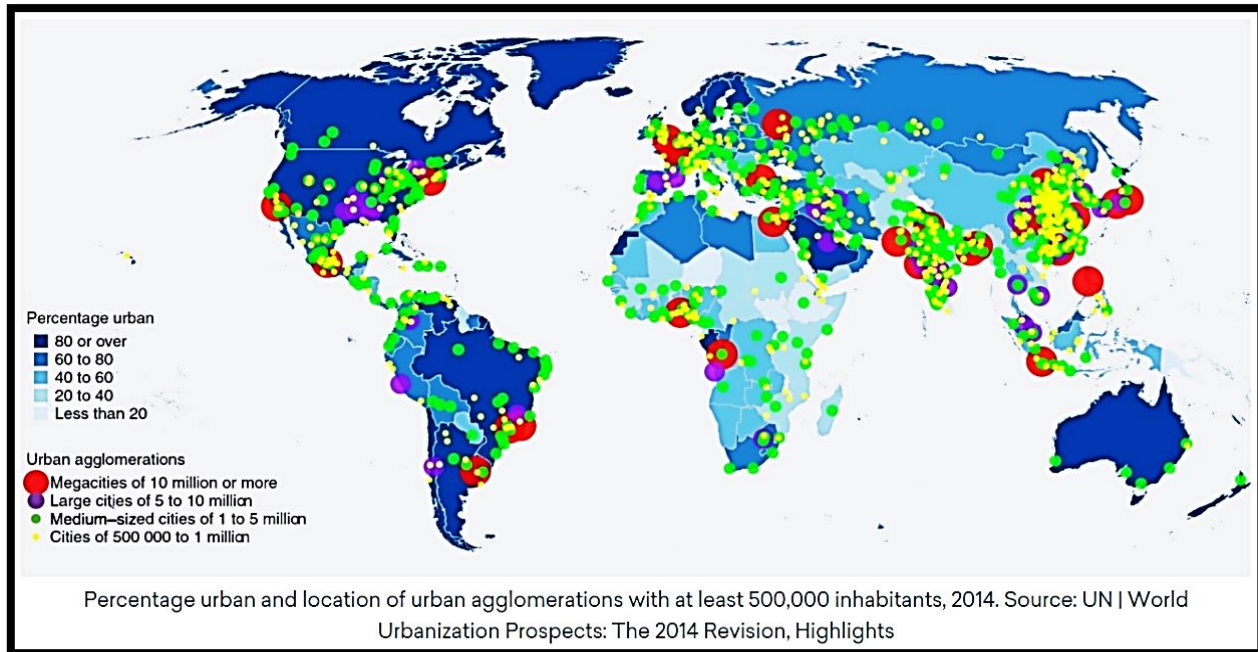
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SECTION D: THE CHALLENGE OF URBANIZATION AND URBAN ENVIRONMENTS

QUESTION 1:

Study the map in **Figure 7** below to answer questions **a** and **b**.

Figure 7: Global percentage of urban population and agglomeration



a. Name a continent containing most of the world's main urban areas.

b. Identify **ONE** global pattern of urbanization.

c. With reference to a Case Study, explain **TWO** effects of urban growth on the environment.

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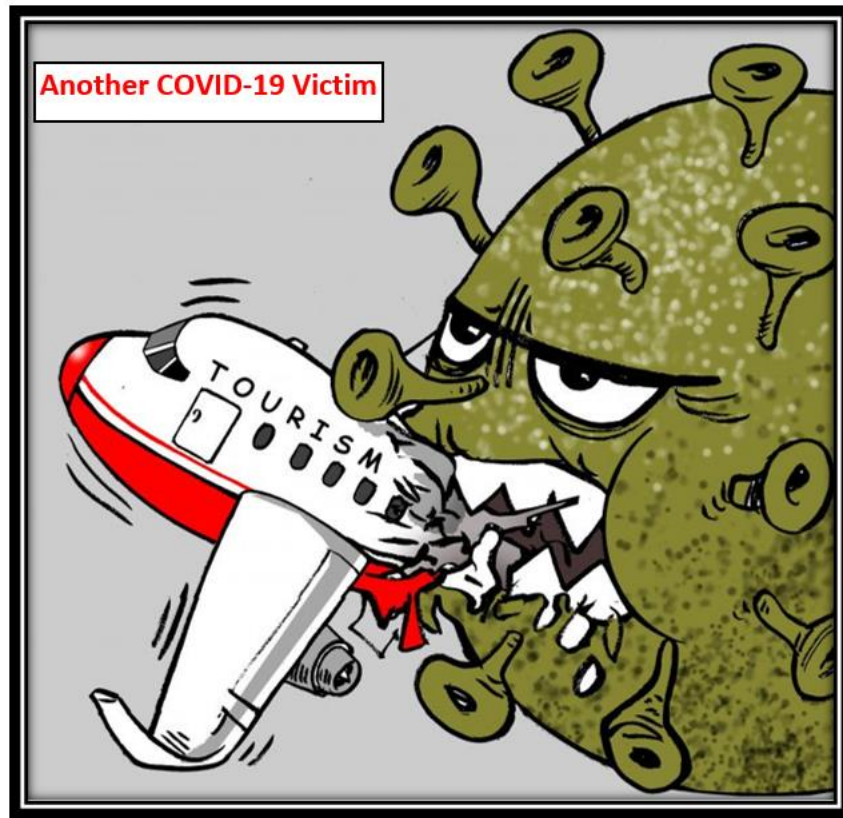
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- c. Describe **ONE** example of a political factor which caused a drawback in the tourism industry, 2020.

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Study the cartoon in **Figure 9** below, then answer questions **d.** and **e**

Figure 9: Another COVID-19 Victim



- d. Identify **ONE** important geographic idea that contributes to the decline of international tourist arrivals, 2020.

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- e. Describe the meaning of the cartoon.

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- f. With reference to a named Case Study, explain **TWO** economic negative effects of tourism on people.

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