

MARKER CODE				



Student Personal Identification Number				

# Solomon Islands National Form Six School Certificate

## 2018

## GEOGRAPHY

## QUESTION AND ANSWER BOOKLET

THURSDAY 8<sup>th</sup> NOVEMBER 9:00 AM

Time allowed: 3 Hours Plus 10 Minutes  
Reading Time.

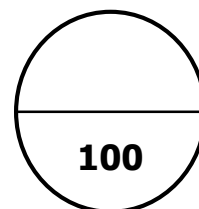
### INSTRUCTIONS

1. Answer ALL questions using the space provided in the booklet.
2. This paper contains FIVE (5) sections. Each section is worth 20 marks.

Section A: Living with Natural Hazards	35 minutes
Section B: Use and Management of Water Resources	35 minutes
Section C: Consequences of Population Growth	40 minutes
Section D: The challenges of Urbanisation and Urban Environment	35 minutes
Section E: Geographic Perspectives on Tourism	35 minutes
3. Illustrate your answers with relevant maps and diagrams. You will need an accurate ruler and you may use a calculator if you wish.
4. Write your **Student Personal Identification Number (SPIN)** in the space provided above, on the fold-out flap at the back of this Booklet and on any additional sheet used.
5. Tie securely any additional sheet(s) used in the appropriate part of your booklet.
6. Do NOT use correction fluid.
7. Mobile phones are NOT allowed in the Examination room.
8. Check that this booklet contains pages **2-33** in the correct order and that none of these pages is blank.

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

TOTAL MARKS



100

**SECTION A: LIVING WITH NATURAL HAZARDS (20 MARKS)**

YOU ARE ADVISED TO SPEND ABOUT 35 MINUTES ANSWERING THIS SECTION.

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**PART A: WORLD DISTRIBUTION OF NATURAL HAZARDS (5 Marks)**

1. Define the term **natural hazard**.

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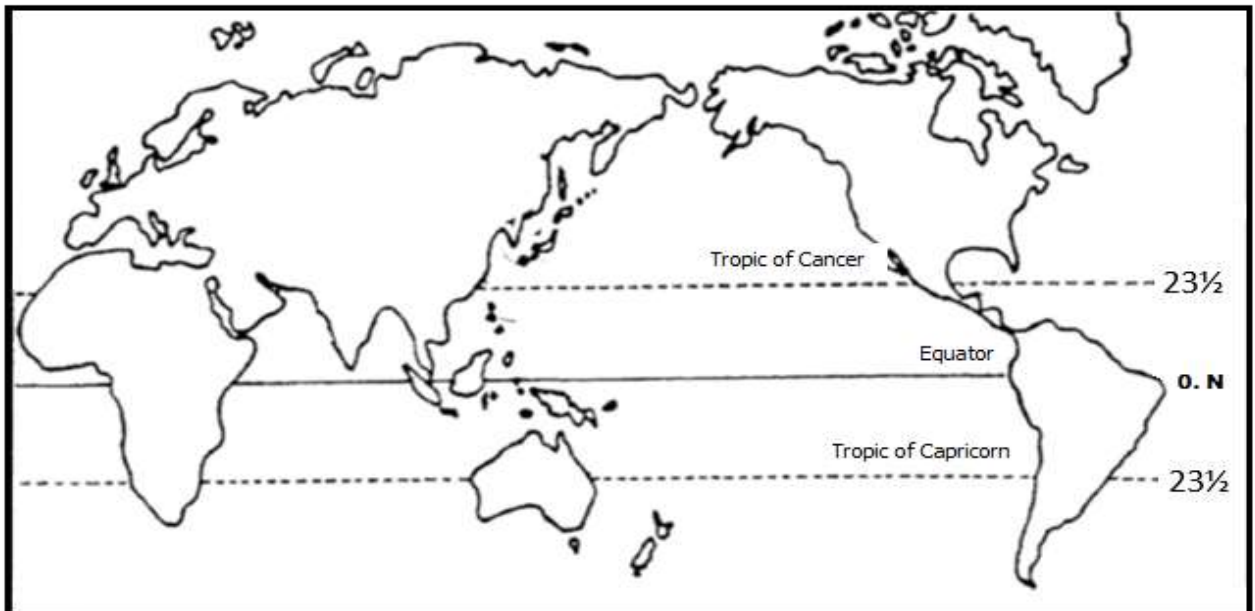
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(1 mark)

2. On the world map outline below (Fig. 1), clearly mark and label any TWO (2) areas of Natural hazards and name the type of disaster common there.

(2 marks)

**Figure 1:** Outline map of the World



## DESTRUCTIVE FEATURES OF VOLCANOES

3. State ANY one (1) damage caused by each **destructive features** below.

(i) **Pyroclastic flow**

Damage\_\_\_\_\_

\_\_\_\_\_

(1 mark)

(ii) **Acid Rain**

Damage\_\_\_\_\_

\_\_\_\_\_

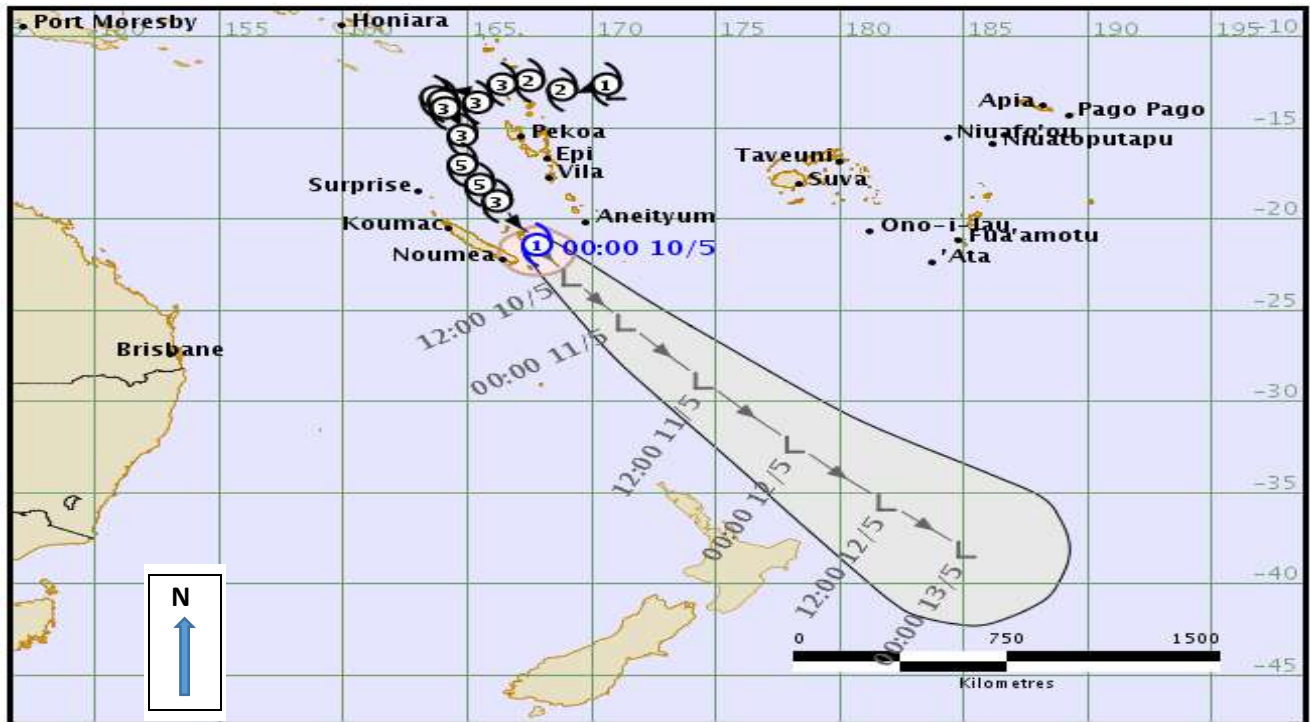
(1 mark)

**PART B: EFFECTS OF TROPICAL CYCLONES**

**(4 Marks)**

Study the information on cyclone Pam given in (*Figure 2 and Figure 3*), and answer questions (4, 5 and 6) below.

**Figure 2:** Unbelievable destruction reported in Tropical Cyclone Pam's wake.



4. In figure 2, identify the route of the storm with reference to Noumea, from where it was **first** developed.

(1 mark)

**Figure 3: Effects of tropical cyclones in Vanuatu.**



Debris from the cyclone is scattered in an area near Port Vila



A man stands under the damaged rooftop of a school.



Injury caused by falling trees.



Damaged bridge during cyclone Pam



A person walks past flooding near Port Vila on March 13.

5. Study figure 3 above and describe any economic problem that is likely to be faced by the government and people of Vanuatu.

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(2 marks)

6. State ONE (1) way to reduce the effects of such disaster.

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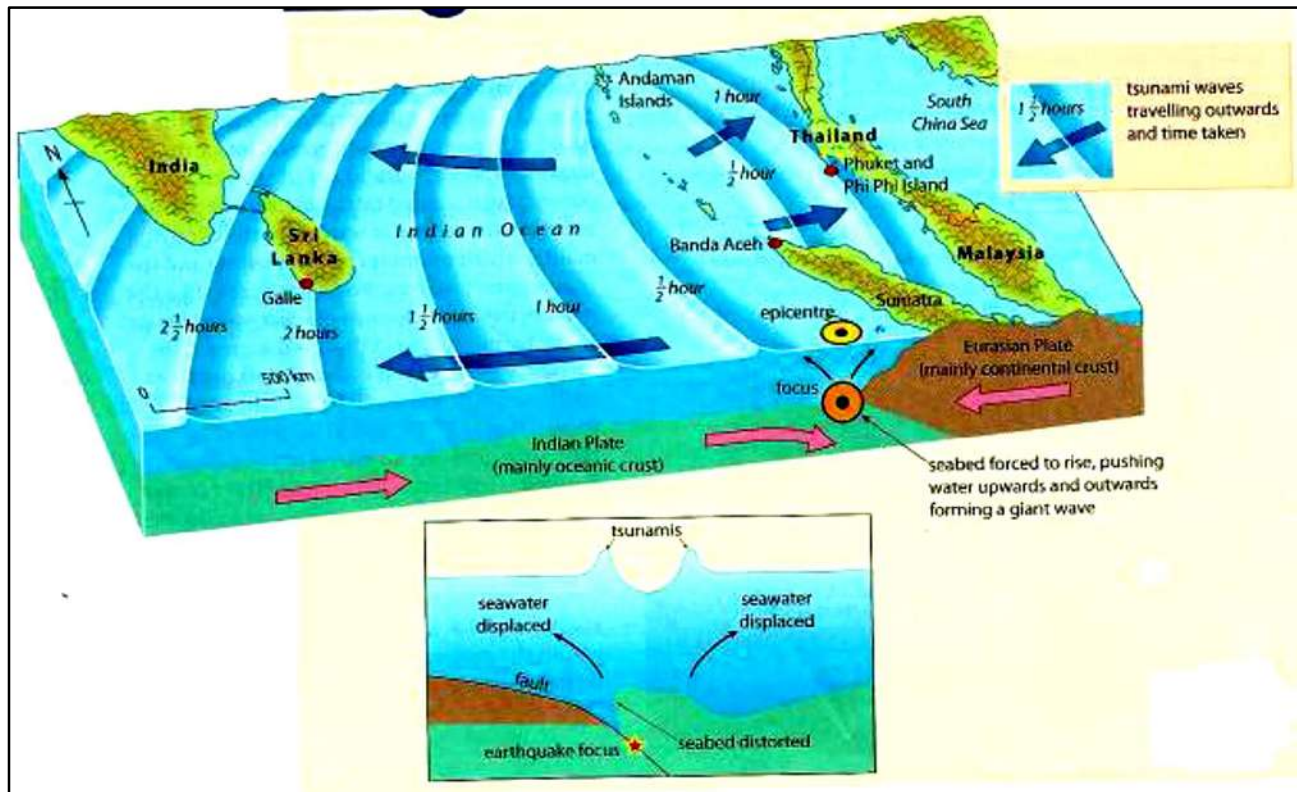
(1 mark)

**PART C: PREPAREDNESS FOR TSUNAMIS**

**(4 marks)**

Study Fig. 4 and answer questions (8 and 9).

**Figure 4:** The route of the Indian Ocean Tsunami



*SOURCE: Waugh D. 2009. Geography an Integrated Approach 4th Edition, Nelson Thomas Ltd: United Kingdom.*

7. From figure 4, name the type of **plate boundary** at which the earth quake focus is found.

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(1 mark)

8. What time will the people of Sri Lanka expect the Tsunami wave if the earthquake occurred at 3am in the morning?

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(1 mark)

9. State any TWO (2) important things that the people of Sri Lanka can do to minimize the effects.

(i) \_\_\_\_\_  
\_\_\_\_\_

(ii) \_\_\_\_\_  
\_\_\_\_\_

(2 marks)





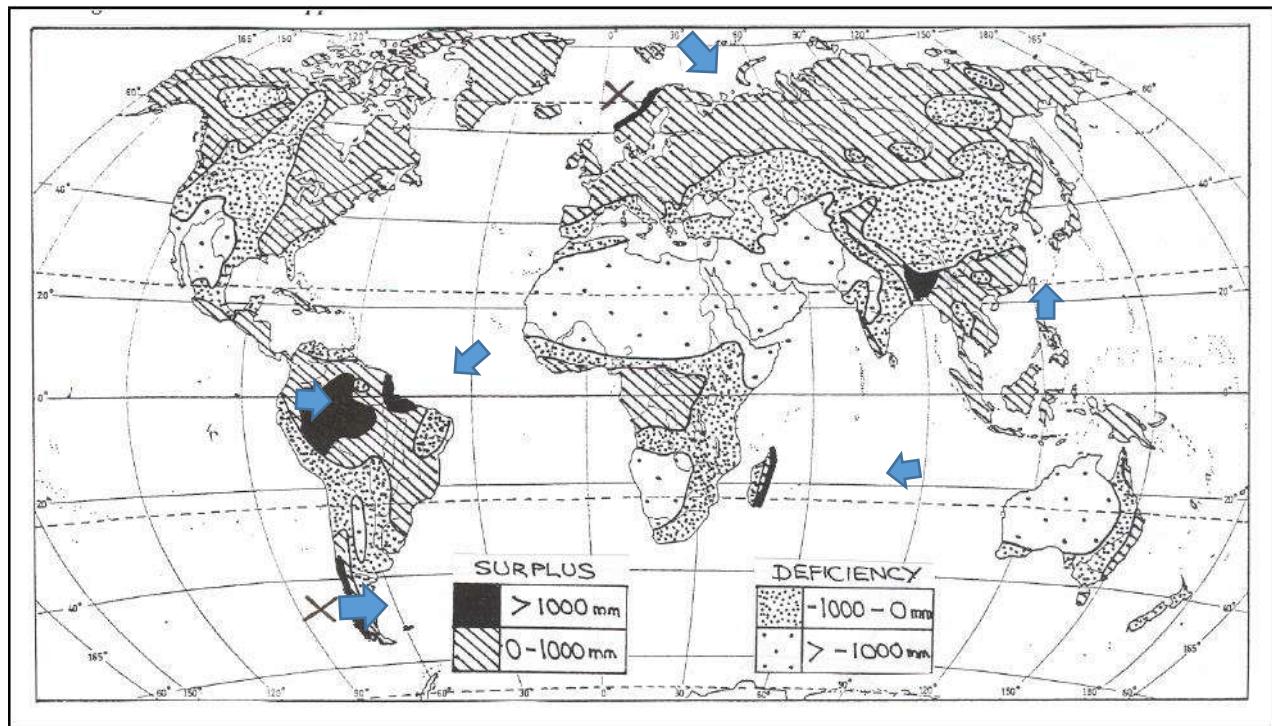
**SECTION B: THE USE AND MANAGEMENT OF WATER RESOURCES** (20 MARKS)

YOU ARE ADVISED TO SPEND ABOUT 35 MINUTES ANSWERING THIS SECTION.

**PART A: GLOBAL DISTRIBUTION OF WATER RESOURCES** (6 Marks)

Study Figure 5 and answer questions (1-2).

**Figure 5:** Areas of water surplus and water deficiency



1. From the map above, name ONE (1) region with water **deficiency**.

Region with water deficiency \_\_\_\_\_ (1 mark)

2. State a reason why areas shown by the arrows have **surplus** water supplies.

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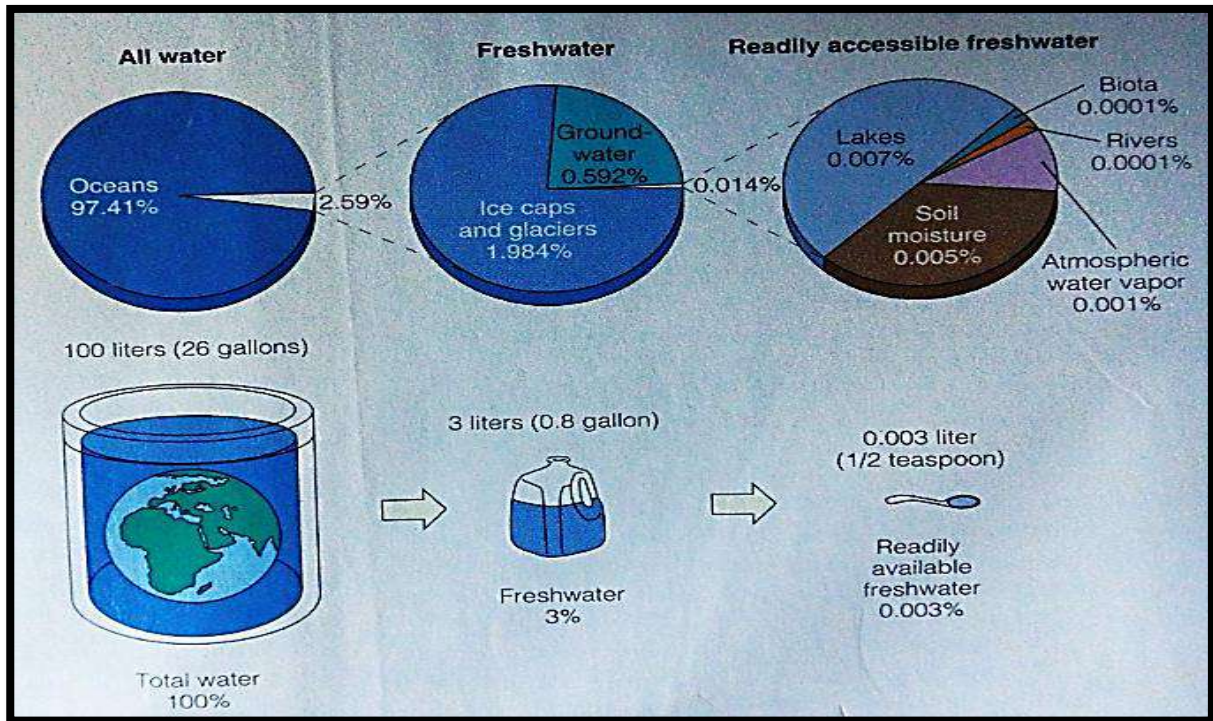
(1 mark)

## GLOBAL FRESH WATER AVAILABILITY

### 3. Study figure 6 below and use your own knowledge to answer questions (i and ii).

We usually think of water as a renewable resource. However, there are people who think that it should be regarded as a non-renewable resource.

**Figure 6:** *Global Fresh water availability*



i) State what the figure 6 above depicts about global water availability.

(1 mark)

ii) State a reason why some people regard water as a non-renewable resource.

(1 mark)

## THE HYDROLOGICAL CYCLE

4. Sketch the diagram of the hydrological cycle and show where Condensation and Evaporation take place in the process.

**Draw the diagram in the box below.**

(2 marks)

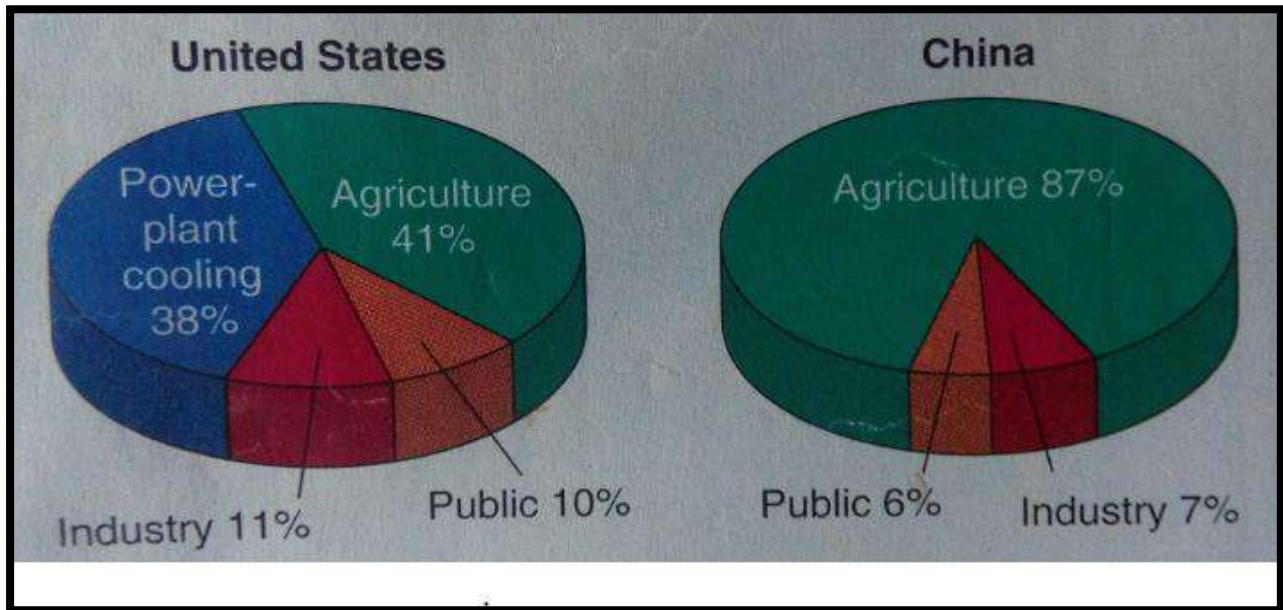


**PART B: WATER USE**

**(3 Marks)**

Use the graphs below to answer question 5.

**Figure 7:** *Water use in US and China*



5. Discuss the difference of water use for the two (2) countries shown in the graphs above.

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(3 marks)

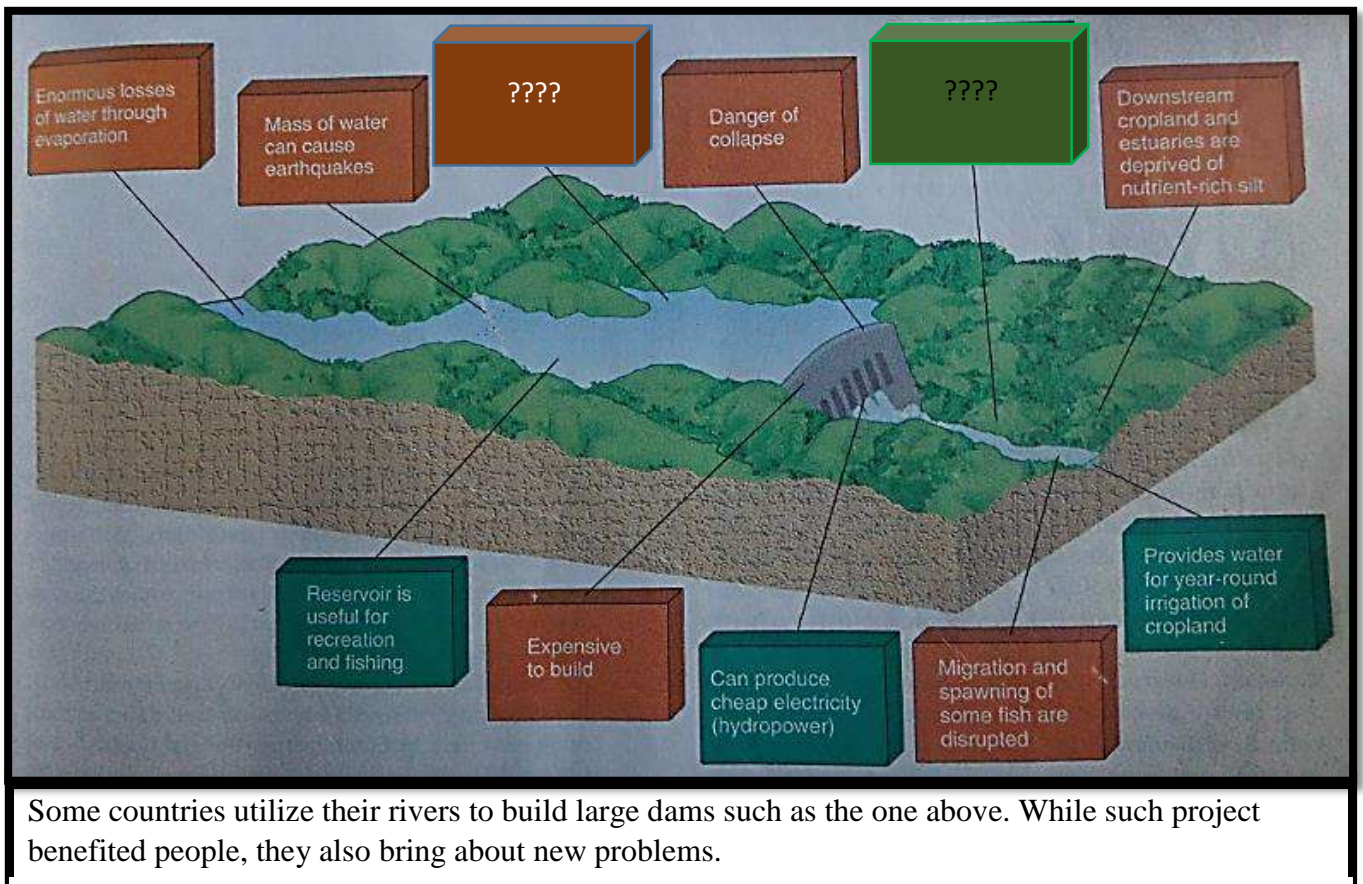


**PART C: EFFECTS OF WATER UTILISATION**

**(4 marks)**

**Study Figure 8 and answer questions (12 and 13).**

**Figure 8:** *Positive and negative effects of dams*



Some countries utilize their rivers to build large dams such as the one above. While such project benefited people, they also bring about new problems.

6. From figure 8 state ONE (1) more **negative effect** and ONE (1) more **positive effect** of the dam on the lives of people and the environment.

(i) Negative effect: \_\_\_\_\_

(ii) Positive effect: \_\_\_\_\_

**(2 marks)**

7. What would be TWO (2) **major** uses of such large dams for countries in very dry regions of the world?

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

**(2 marks)**

**PART D: PLANNING AND MANAGEMENT OF WATER RESOURCES (7 MARKS)**

10. Using your knowledge answer questions (a and b) below.

- a) Describe with an example ONE (1) way that water resources are being managed in areas of water scarcity.
- b) Evaluate the effectiveness of the strategy chosen in (a) above in managing fresh water resources in areas of water scarcity.

a) Example: \_\_\_\_\_  
(1 mark)

Description of ways water resources are being managed:

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(2 marks)

(b) Evaluate the effectiveness of strategy:

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(4 marks)

**SECTION C: CONSEQUENCES OF POPULATION GROWTH**  
**(20 MARKS)**

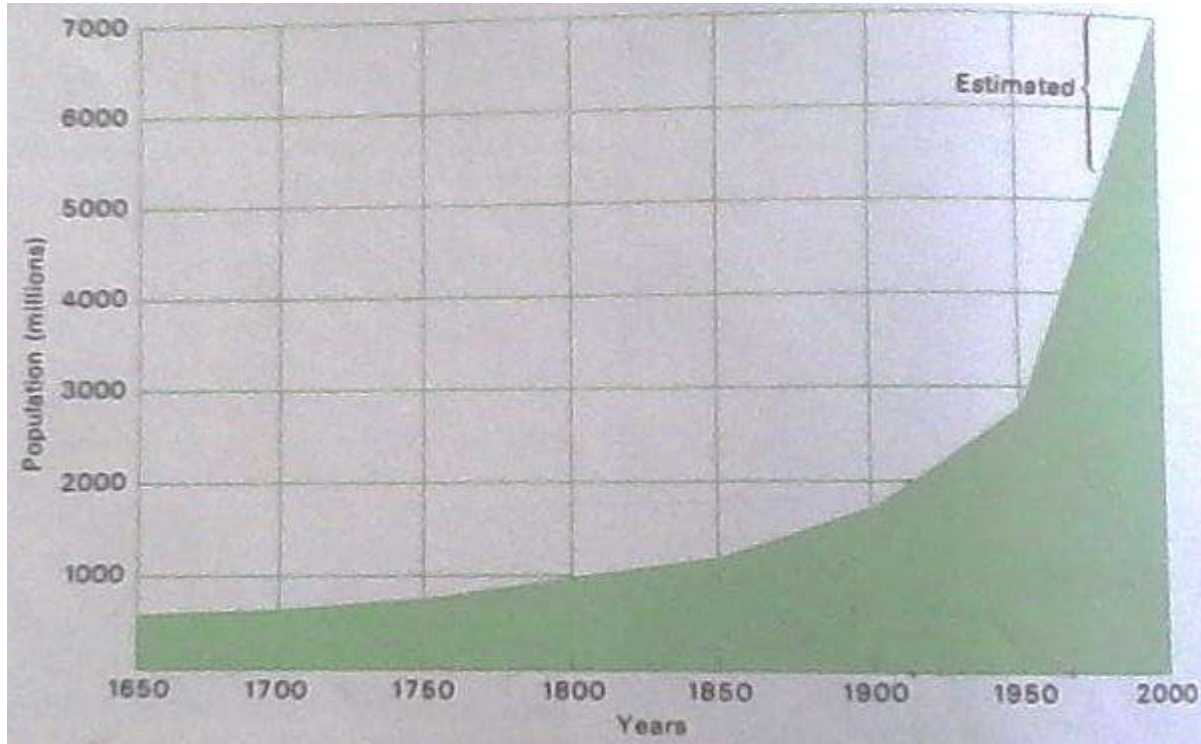
YOU ARE ADVISED TO SPEND ABOUT 40 MINUTES ANSWERING THIS SECTION.

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**PART A: NATURE OF POPULATION GROWTH AND POPULATION DISTRIBUTION** (6 Marks)

Study the graph below and using your own knowledge answer question 1.

**Figure 9:** World population growth



1. In figure 9, describe the growth pattern of the world's population from the 1650 to 2000.

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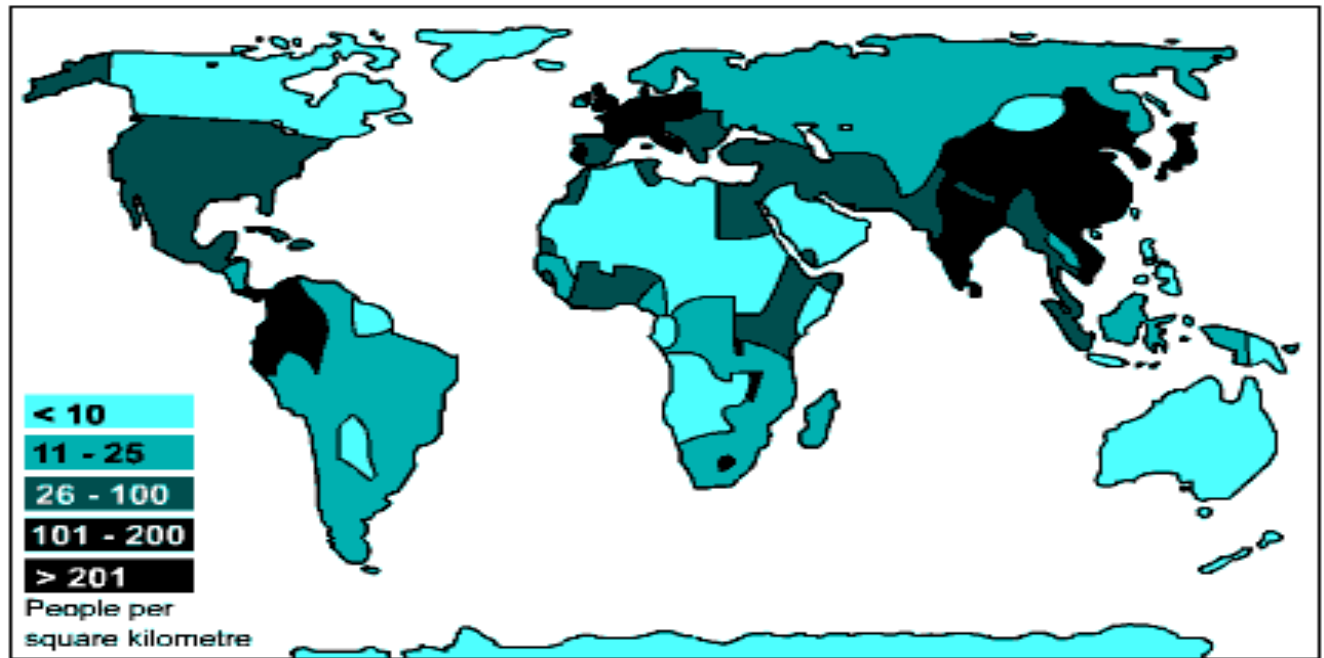
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(2 marks)



**Figure 10:** Global Population Density



2. Name TWO (2) most **densely** populated country or region on the map above. .

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(2 marks)

3. State why ONE (1) of your above named country/region have such high population densities.

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(1 mark)

4. Give ONE (1) reason why central North Africa is sparsely populated.

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(1 mark)

**PART B: FACTORS AFFECTING POPULATION GROWTH/CHANGE (4 Marks)**

The population growth rate of less developed countries is usually very high. This is because family sizes are large.

Use figure 11 and your own knowledge to answer question 5 below.

**Figure 11:** Factors affecting population growth rate



5. Select any TWO (2) factors from those in the pictures above and state how they will contribute to the growth of the population.

(i) \_\_\_\_\_

\_\_\_\_\_

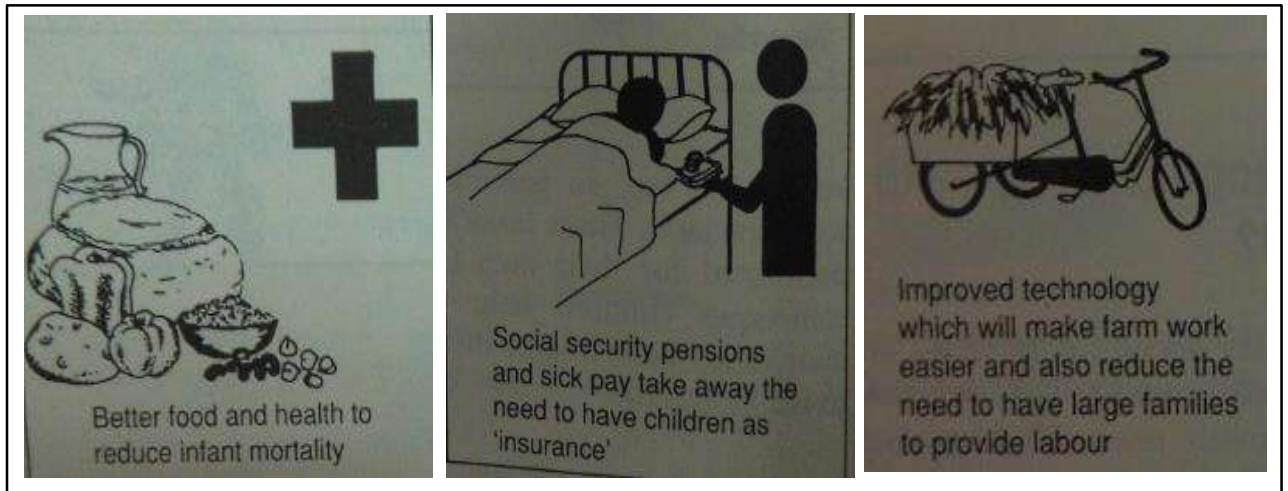
(ii) \_\_\_\_\_

\_\_\_\_\_

(2 marks)

Study figure 12 below and your own knowledge to answer question 6.

Figure 12: Ways for slowing down population growth rate



6. In addition to the strategies proposed in the box above, explain ONE (1) way to **reduce** the rapid population growth in less developed countries.

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(2 marks)

**PART C: EFFECTS OF POPULATION GROWTH ON PEOPLE AND THEIR ENVIRONMENT**

**(3 Marks)**

Use the extract below and your own knowledge to answer questions (7 and 8).

**THE POPULATION OF INDIA.**

*India is the world's second populous country. Yet its growth rate is higher than China. Over a short period of 10 years, its population surprisingly grew by a 100 million. In terms of population structure it has a **youthful population**. A large proportion of its population was under the age 15.*

*In the mid-1960s, the Indian government, attempted to solve its population problems by implementing the sterilization policy, but had failed.*

7. Give the meaning of the expression '**youthful population**'.

\_\_\_\_\_ (1 mark)

8. State ONE (1) Social and Environmental **effect** of the population situation in India.

(i) Social Effect: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(1 mark)

(ii) Environmental Effect: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(1 mark)

**PART D: MANAGING POPULATION CHANGES AND THEIR EFFECTIVENESS (7 Marks)**

9. Using your knowledge answer questions (a and b) below.

- a) Discuss ONE (1) **strategy** that governments with negative population growth can use to encourage positive growth in their population.
- b) Evaluate the effectiveness of this method.

a) Discuss One (1) strategy:

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(3 marks)

b) Evaluate the effectiveness of this strategy:

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(4 marks)

## **SECTION D: THE CHALLENGES OF URBANISATION AND URBAN ENVIRONMENTS** (20 MARKS)

YOU ARE ADVISED TO SPEND ABOUT 35 MINUTES ANSWERING THIS SECTION.

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### **PART A: NATURE AND PATTERNS OF URBANISATION GROWTH** (6 Marks)

1. Define the term **urbanization**.

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(1 mark)

2. What is a **rural settlement**?

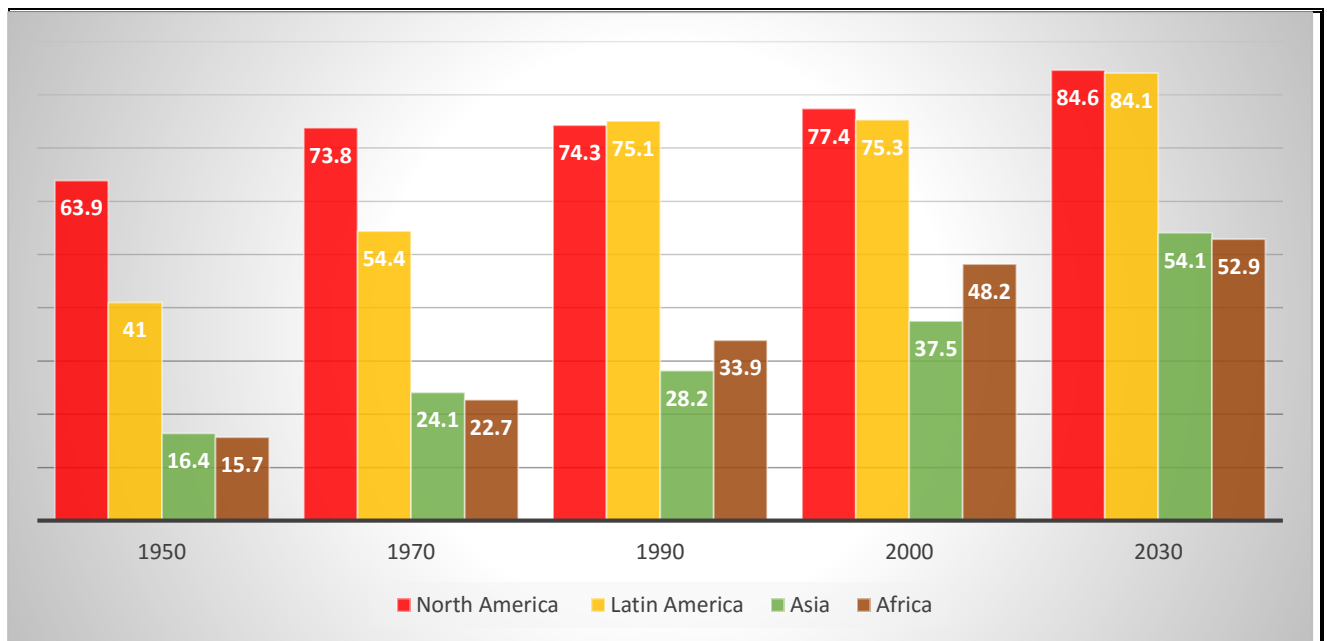
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(1 mark)

Study the graph and answer questions (3, 4 and 5) below.

**Figure 13:** Urban population (percentage)



3. Explain the reason for the trend in **Africa** from 1950 to 2030 in the above graph.

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(2 marks)

4. State any TWO (2) regions with fast growing population.

(i) \_\_\_\_\_

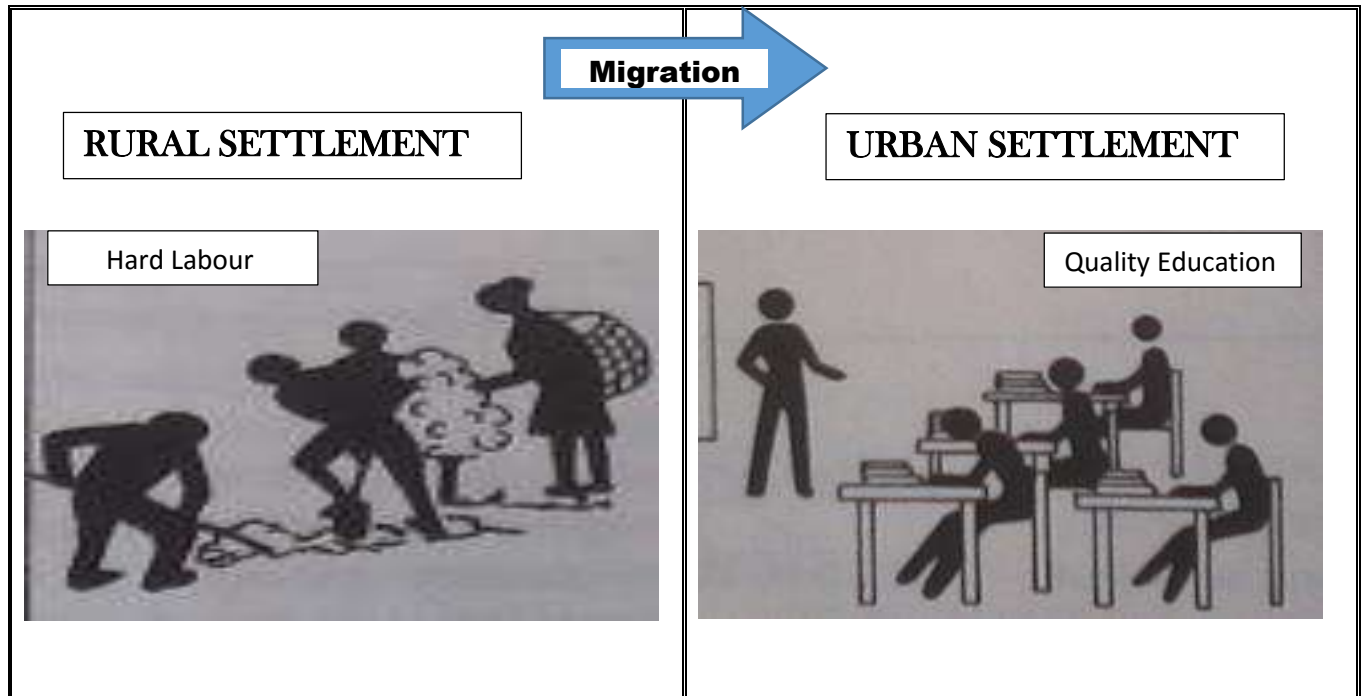
(ii) \_\_\_\_\_

(2 marks)

**PART B: FACTORS THAT ARE RESPONSIBLE FOR URBANIZATION (2 Marks)**

Study the pictures below and answer questions (7 and 8).

**Figure 14:** Factors causing movement to urban settlements



5. What is the type of migration depicted by the pictures above?

\_\_\_\_\_ (1 mark)

6. Identify any ONE (1) reason that would cause people to make the movement above.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (1 mark)



**PART C: EFFECTS OF URBAN GROWTH ON THE ENVIRONMENT AND PEOPLE (3 Marks)**

Study the photographs below and answer questions (9 and 10).

**Figure 15: Urban problems**



**Photo A**



**Photo B**



**Photo C**



**Photo D**

7. Which of the pictures above shows a **special problem** of cities in developing countries?

\_\_\_\_\_

(1 mark)

8. Explain the **damage** caused to the environment shown in photo 'D'.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(2 marks)

## **PART D: URBAN PLANNING AND MANAGEMENT**

**(9 Marks)**

9. Identify and give an example of a city in the industrialized world on how urban planning and management can help minimize urban growth and its problems.

(i) Name of the Country: \_\_\_\_\_ (1 mark)

[illegible]

(iii) Evaluate the effectiveness of the strategy: \_\_\_\_\_

\_\_\_\_\_

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(4 marks)

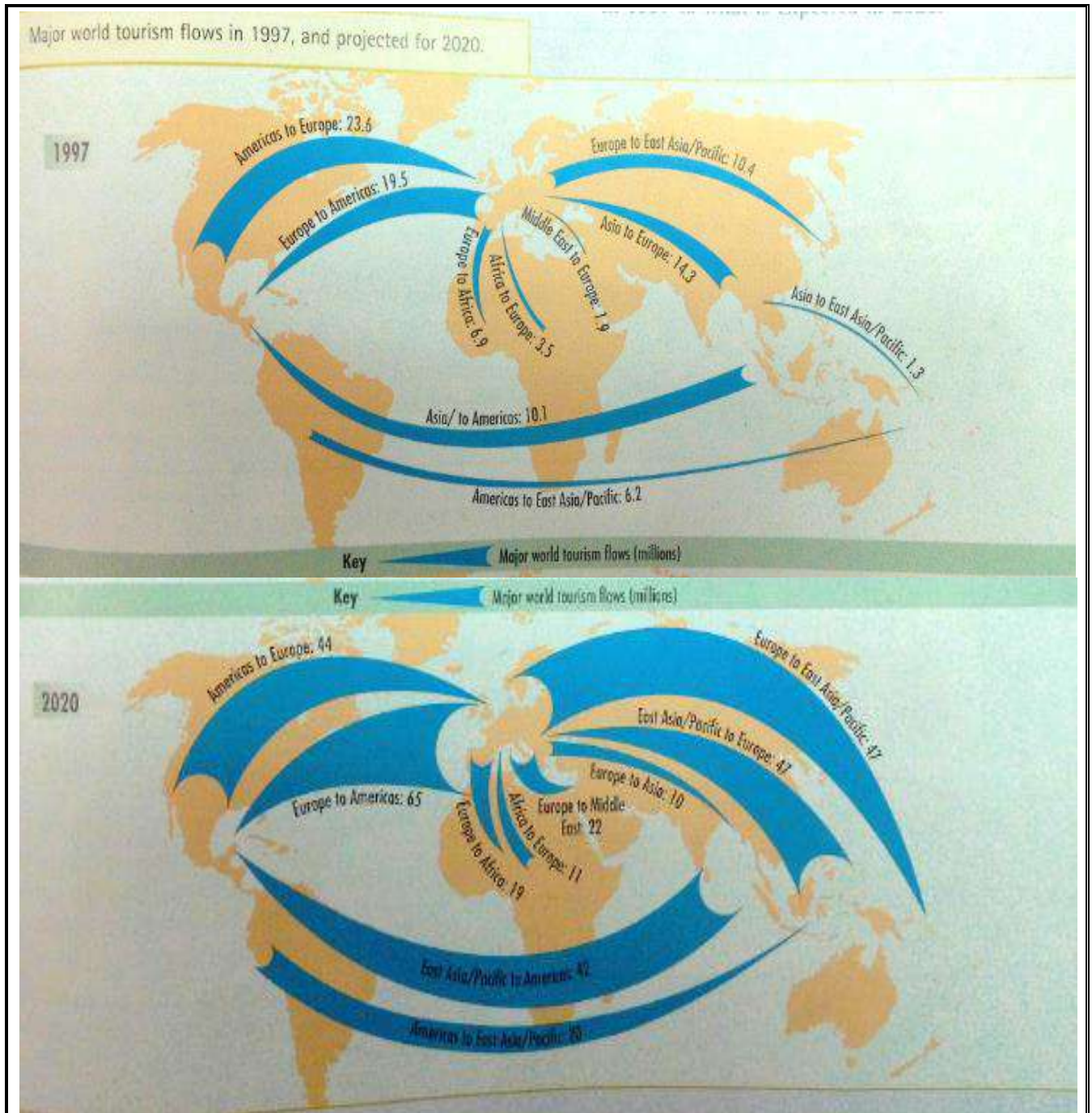
**SECTION E: GEOGRAPHIC PERSPECTIVES ON TOURISM**  
**(20 MARKS)**

YOU ARE ADVISED TO SPEND ABOUT 35 MINUTES ANSWERING THIS SECTION.

**PART A: TOURISM FLOW IN THE WORLD** (4 Marks)

Study Figure 16 and answer questions (i, ii, iii and iv).

**Figure 16:** Major World Tourism Flow



1. From figure 16, name any ONE (1) **major** world tourist destination.

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(1 mark)

2. Describe ONE (1) generalization on the world tourist flow.

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(2 marks)

3. Give ONE (1) reason why South Pacific would not be considered as a major tourist origin.

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(1 mark)

**PART B: FACTORS THAT INFLUENCE THE GROWTH OF TOURISM (3 marks)**

**Study the information and answer questions (4, 5 and 6) below.**

**Table 1:** Tourist arrivals for countries in the South Pacific.

COUNTRY (DESTINATION)	1999 ARRIVALS	2000 ARRIVALS	CHANGE
FIJI	409,955	294,070	-115,885
KIRIBATI	6,107	4,377	-1,730
Solomon Islands	17,395	5,753	-11,642
Vanuatu	50,746	57,360	6,614
French Polynesia	210,800	252,000	41,200
<b>TOTAL</b>			
While French Polynesia experienced a huge increase in their tourist arrival, some countries in 2000 had experienced falls in their tourist arrivals.			

4. Name ONE (1) country that experience falls in its tourist arrivals in Table 1.

\_\_\_\_\_ (1 mark)

5. Give ONE (1) reason for the fall of the number of arrivals for the above stated country.

\_\_\_\_\_  
\_\_\_\_\_  
(1 mark)

6. Identify ONE (1) possible factor that is responsible for the huge increase of tourist arrivals for French Polynesia.

\_\_\_\_\_  
\_\_\_\_\_  
(1 mark)



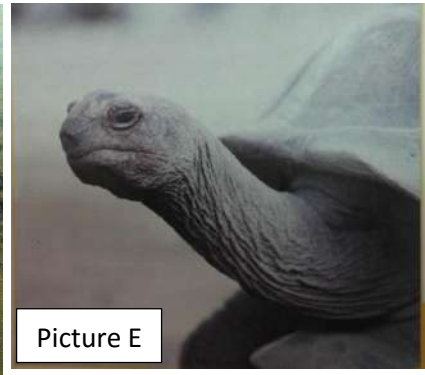
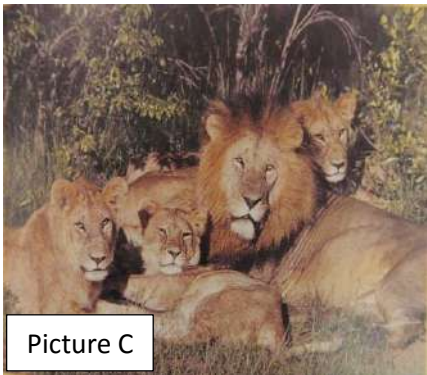
**PART C: EFFECT OF TOURISM ON THE PEOPLE**

**(6 Marks)**

Study the picture in Figure 17 and answer questions (7 and 8).

**IMPACTS OF TOURISM**

**Figure 17:** The picture below are part of eco – tourism in different parts of the world.



7. Explain how **Picture B** above would help to protect the culture of the host community.

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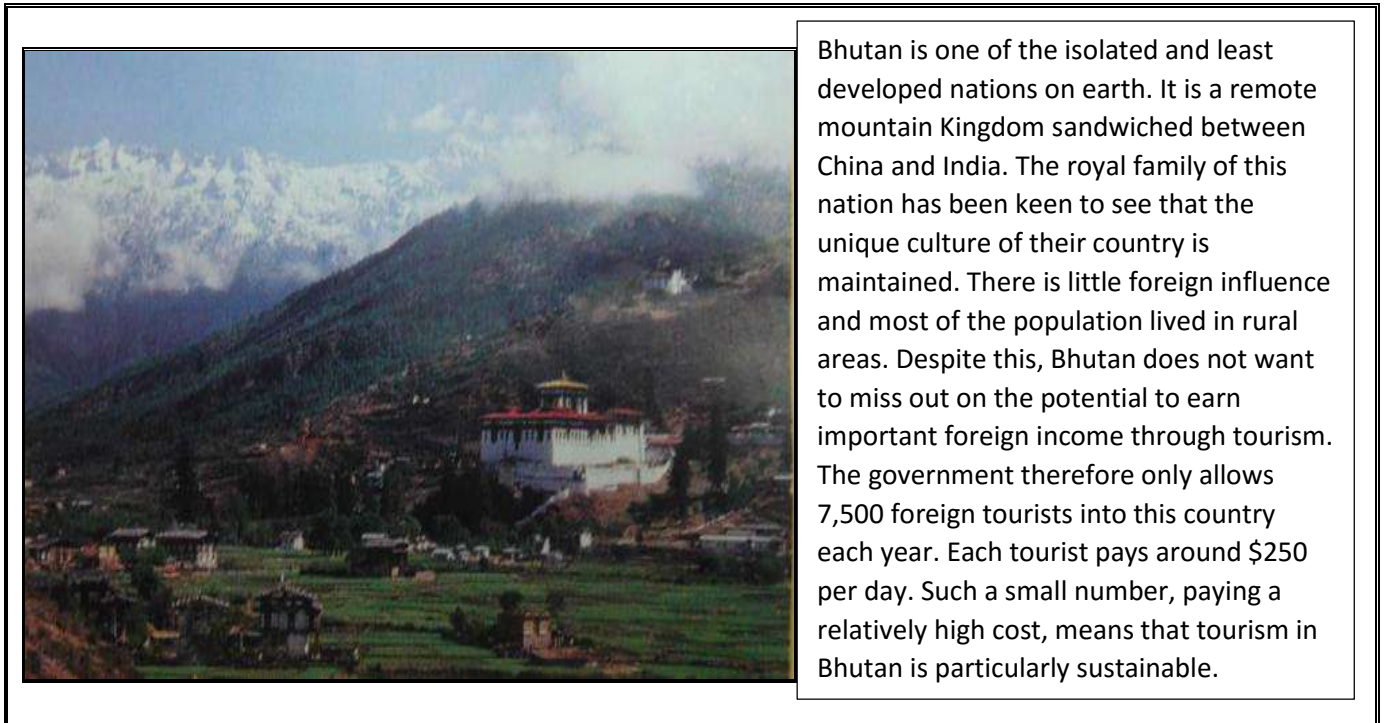
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(2 marks)

**Figure 18:** Tourism in Bhutan



8. Refer to figure 18, explain ONE (1) **negative** impact, tourism would cause on the preserved culture of Bhutan.

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(2 marks)

9. In your opinion, explain why tourists would want to visit Bhutan.

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(2 marks)

**PART D: PLANNING FOR THE CHALLENGES OF TOURISM**

**(7 Marks)**

10. Using your knowledge answer questions (a and b) below.

- (a) Discuss ONE (1) strategy Pacific Island countries can do to bring about growth in tourism.
- (b) Evaluate the effectiveness of strategy used to minimize the challenges faced with tourism development in these country.

a) Discuss ONE (1) strategy:

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(3 marks)

b) Evaluate the effectiveness of the strategy:

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(4 marks)



# 2018 GEOGRAPHY

Student Personal Identification Number

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FOR MARKER USE ONLY			
SECTION	EXAM MARKS	MARKER	SCRIPT CHECKER
A	20		
B	20		
C	20		
D	20		
E	20		
TOTAL	100		
Marker / Checker initials			