

Centre Number	Candidate Number	Candidate Name
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NAMIBIA SENIOR SECONDARY CERTIFICATE

GEOGRAPHY ORDINARY LEVEL

6137/1

PAPER 1

2 hours

Marks 75

2022

No additional materials.

INSTRUCTIONS AND INFORMATION TO CANDIDATES

- Write your Centre Number, Candidate Number and Name in the spaces at the top of this page.
- Write your answers on the Question Paper in the spaces provided.
- Write in dark blue or black pen.
- You may use a soft pencil for any diagrams, graphs or rough working.
- Do not use correction fluid.
- Do not write in the margin *For Examiner's Use*.
- Answer **three** questions, **one** from each Section.
- Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.
- The number of marks is given in brackets [] at the end of each question or part question.

<i>For Examiner's Use</i>		
1		
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<i>Checker</i>		

This document consists of **23** printed pages and **5** blank pages.



Republic of Namibia
MINISTRY OF EDUCATION, ARTS AND CULTURE

SECTION A: PHYSICAL GEOGRAPHY

Answer **one** question from **Section A**.

- 1 (a) Study Fig. 1, which shows information about the climate of three areas **A**, **B** and **C**.

Area	Mean (average) temperature in hottest month (°C)	Mean (average) temperature in coldest month (°C)	Average annual rainfall (mm)
A	38	16	119
B	29	26	2510
C	28	16	650

Fig. 1

- (i) What is the annual range of temperature at area **A**?

..... [1]

- (ii) Which area, **A**, **B** or **C**, is most likely to be

a tropical desert?.....

a tropical rainforest?..... [2]

- (iii) Explain how the amount of rainfall in a tropical desert is influenced by wind direction and atmospheric pressure.

Wind direction

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Atmospheric pressure

..... [4]

- (iv) Explain why many tropical deserts are located in areas close to 23° north and south of the Equator.

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..... [4]

(b) Study Photograph A, which shows an area of tropical desert.



Photograph A

(i) Describe **four** features of the area of tropical desert shown in Photograph A.

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- 2
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- 3
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[4]

(ii) Explain how the natural vegetation of tropical desert areas can survive in the hot, dry climate.

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[5]

(c) For a named area of tropical rainforest you have studied, describe the impacts of large scale deforestation on the local and global natural environment.

Name of area of tropical rainforest

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[5]

[25]

2 (a) Study Fig. 2, which shows a weather instrument.

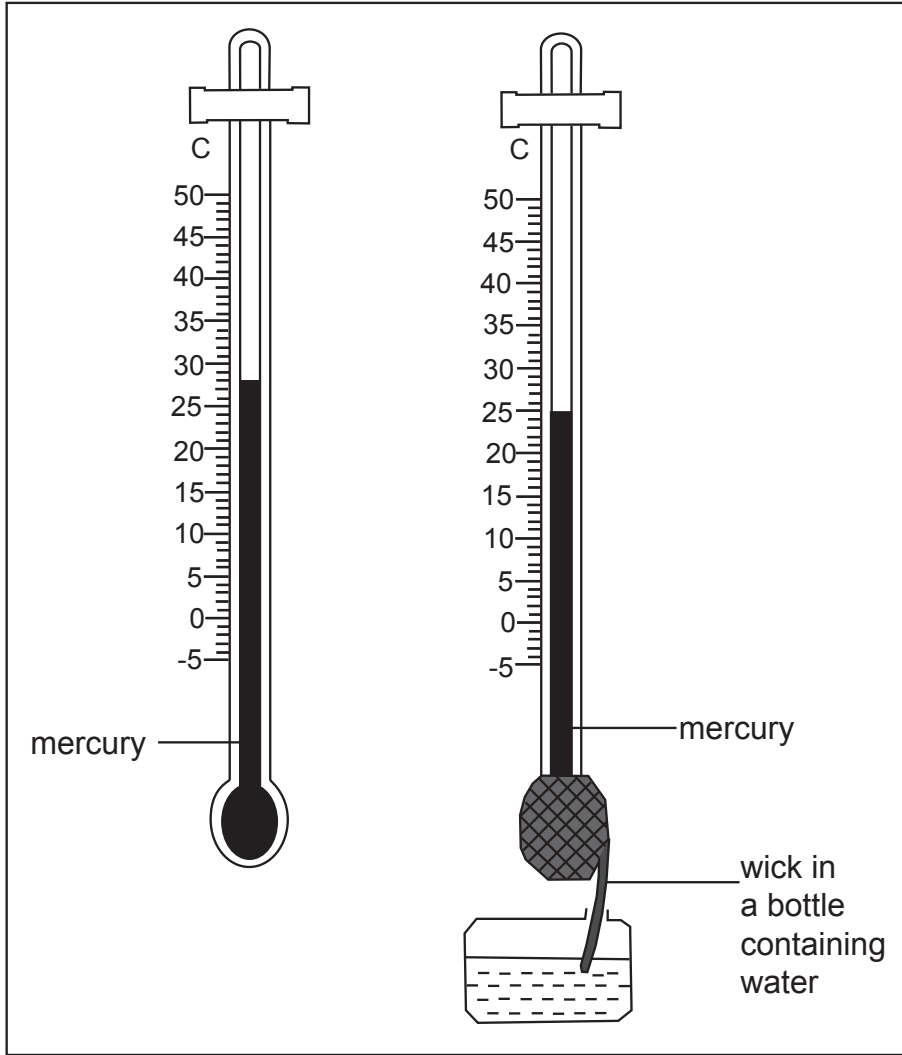


Fig. 2

(i) Identify the weather instrument shown in Fig. 2.

..... [1]

(ii) Explain how the weather instrument shown in Fig. 2 is used to work out relative humidity.

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 [2]

(iii) Explain why the weather instrument shown in Fig. 2 is kept in a Stevenson Screen.

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[3]

(iv) Name **two** other instruments which are kept in a Stevenson Screen and for each one state the weather characteristic it measures.

1

2

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[4]

(b) Study Photograph B, which shows a landscape formed in an upland area in a temperate country.



Photograph B

(i) Describe the appearance of the landscape shown in Photograph B.

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[3]

(ii) Freeze-thaw is one process of weathering operating in the area shown in the photograph.

Describe how this process occurs. You may use a labelled diagram in your answer.

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[5]

(iii) Describe **two** rock features which influence the rate of weathering.

1

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2

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[2]

(c) Choose a named example of one of the following

- a fast-flowing river,
- a flood plain.

Describe **five** ways in which your chosen type of natural environment can provide opportunities for the people who live there.

Example of river feature.....

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[5]

[25]

SECTION B: ECONOMIC ACTIVITIES AND THE USE OF RESOURCES

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Use

Answer **one** question from **Section B**.

3 (a) Study Fig. 3, which shows numbers of international tourist and their destinations.

International Tourist Arrivals by World Region

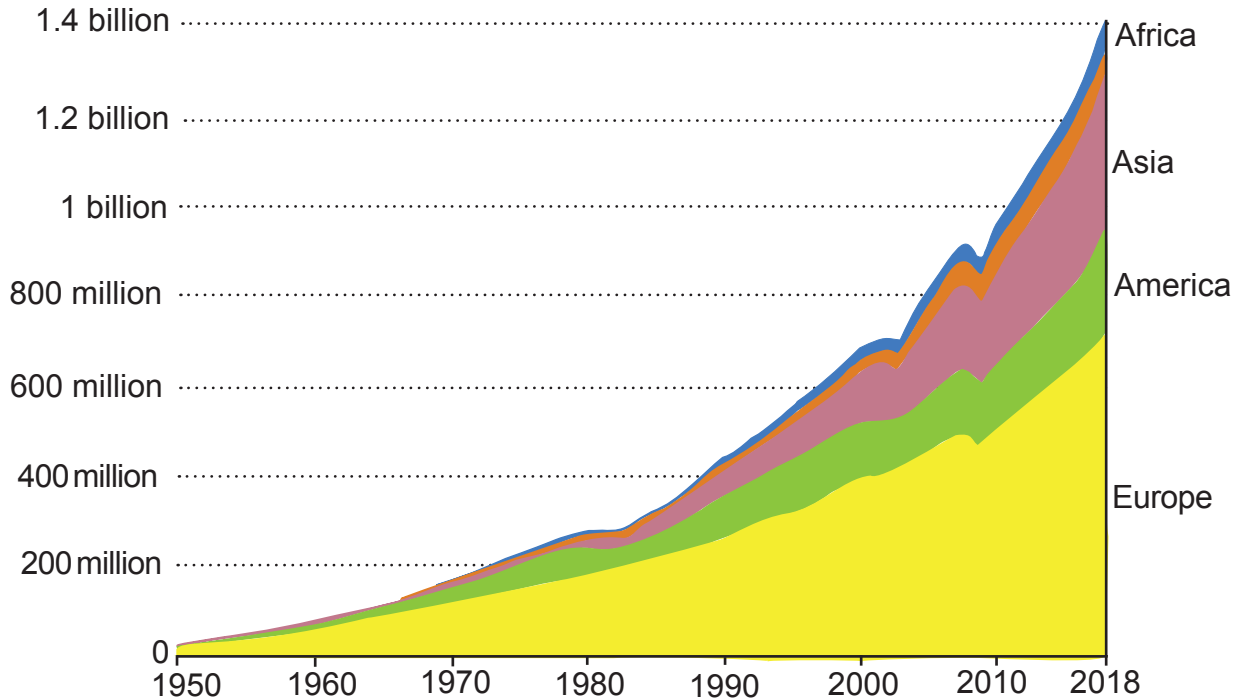


Fig. 3

(i) What was the total number of international tourists in 2018?

[1]

(ii) Compare the number of tourist arrivals between Europe, Africa and Asia for 1950 and 2018.

[6]

(iii) Suggest **three** advantages of the tourist industry for the host country.

- 1
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- 2
-
- 3
-

[3]

(b) (i) Explain why the growth of tourism in an area leads to the development in its infrastructure.

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[3]

(ii) Explain how the human landscape can also attract tourists to an area.

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[4]

(iii) Suggest **three** problems which international tourism might cause for people in the host country.

1

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2

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3

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[3]

(c) Name an area which you have studied where the tourist industry is important.

Describe what has been done in the area to maintain, improve or conserve the quality of the natural environment.

Name of area

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[5]

[25]

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Question 4 is on page 14.

(b) (i) State **two** goals set out in Namibia's Energy Policy.

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[2]

(ii) Describe how Namibia's energy sector is integrally linked to the SADC countries and global trade in oil.

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[7]

(c) Some areas in the world are facing a shortage of non-renewable energy. Describe how renewable energy could be generated in such areas.

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[4]

(d) Name an area or a country which you have studied where large amounts of fuelwood are used for energy. Describe the problems this causes for local people and the natural environment.

Name of area/country

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[5]

[25]

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Question 5 is on page 18.

SECTION C: POPULATION AND SETTLEMENT

Answer **one** question from **Section C**.

5 (a) Study Fig. 5, which shows population density across the world.

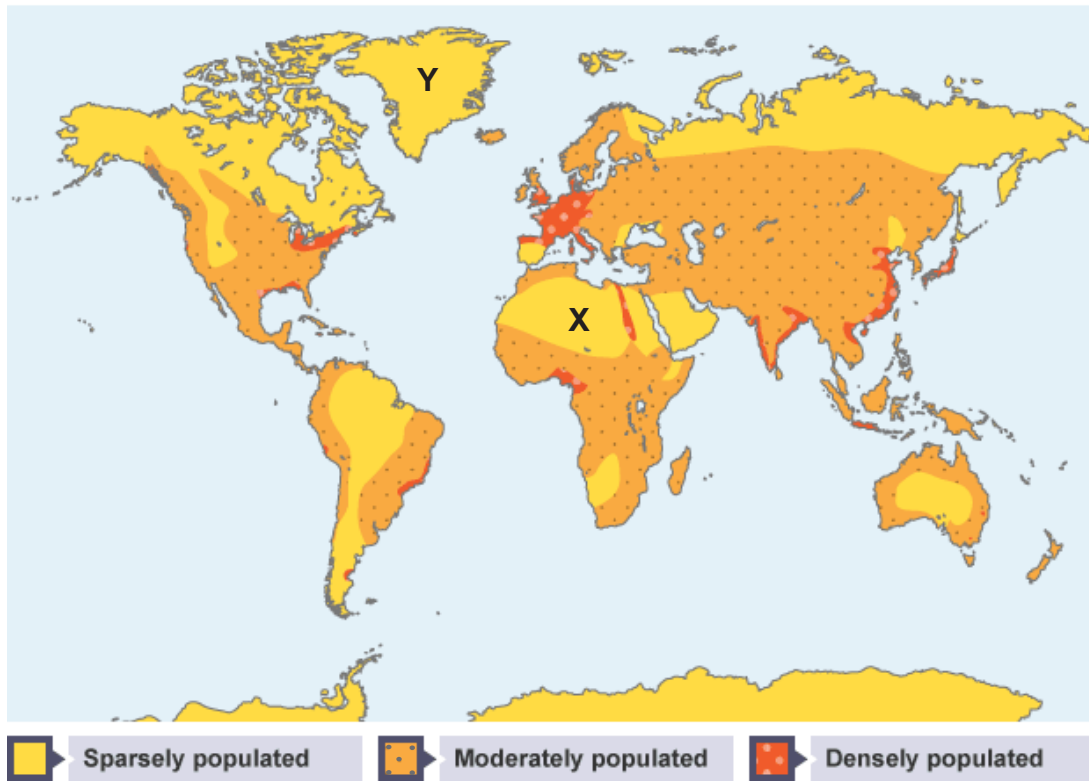


Fig. 5

(i) What is meant by a *sparsely populated area*?

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[1]

(ii) Name a densely populated area shown on Fig. 5

(aa) with a temperate climate.....

.....

(bb) in South East Asia.....

.....

[2]

(iii) For either the area marked **X** or the area marked **Y** on Fig. 5, suggest **three** reasons why it is sparsely populated.

Area chosen

1

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2

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3

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[3]

(b) Study Photograph **C**, which shows an area which is sparsely populated.



Photograph C

(i) Suggest how the relief of the land shown in Photograph **C** has resulted in the area being sparsely populated.

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[5]

(ii) Floodplains are often sparsely populated.

Suggest **three** reasons why.

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[3]

(iii) Explain why some river valleys are densely populated.

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[6]

(c) For a named country you have studied, describe the problems caused by overpopulation.

Name of country.....

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[5]

[25]

- 6 (a) Study Photographs **D** and **E** of two residential areas in a city in a More Economically Developed Country (MEDC).



Photograph D



Photograph E

Using evidence from Photographs **D** and **E** only, describe **three** differences between the two residential areas.

- 1
- 2
- 3

[3]

(b) Study Fig. 6, which shows characteristics about the areas of Photographs **D** and **E**.

Characteristics	Area D	Area E
% unemployment	14.3	2.5
% of households with one or more car	48	90
% of owner occupied houses	29	91
% of households which are overcrowded (average greater than 1 person per room)	2.3	0.3

Fig. 6

Compare the quality of life of the people who live in areas **D** and **E**.

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[4]

(c) (i) Suggest **three** reasons why traffic congestion is likely in the Central Business District (CBD) of large cities.

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3

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[3]

(ii) The planning department of a large city wants to reduce traffic congestion in the CBD. The following options are being considered.

1. Restrict the type of vehicle allowed in the CBD.
2. Improve public transport throughout the city.
3. Build a ring road around the city.

Which option would you advise them to choose?

Explain why you chose your option and why you rejected the other options.

Option.....

Why

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Rejection

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[5]

(iii) Describe the effects of rapid urban growth on the natural environment.

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[5]

(d) For a residential area in a named settlement you either know or have studied, describe the changes which have been caused by either an inward or an outward movement of people.

Include in your answer changes in housing, services and amenities.

Residential area

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[5]

[25]

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