GEOGRAPHY

Paper 1

October/November 2012

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler
                  Protractor

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name 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 staples, paper clips, highlighters, glue or correction fluid.
DO NOT WRITE ON ANY BARCODES.

Write your answer to each question in the space provided.
If additional space is required, you should use the lined page at the end of this booklet. The question number(s) must be clearly shown.

Answer three questions.

The Insert contains Photograph A for Question 3, Photograph B for Question 5 and Photograph C for Question 6.
The Insert is not required by the Examiner.
Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

At the end of the examination, fasten all your work securely together.
The number of marks is given in brackets [ ] at the end of each question or part question.

For Examiner’s Use

<table>
<thead>
<tr>
<th>Q1</th>
<th>Q2</th>
<th>Q3</th>
<th>Q4</th>
<th>Q5</th>
<th>Q6</th>
<th>Total</th>
</tr>
</thead>
</table>

This document consists of 26 printed pages, 2 blank pages and 1 Insert.
QUESTION 1

(a) Study Fig. 1, population pyramids which show the structure of the population for three towns in an MEDC in Europe.

Fig. 1
(i) What is meant by the *structure* of a population?
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [1]

(ii) Define the terms *dependent population* and *economically active* as used in the key for Fig. 1.
Dependent population ............................................................................................... 
..................................................................................................................................
..................................................................................................................................
Economically active ...................................................................................................
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [2]

(iii) Which of the population pyramids shows:

- a town on the coast to which many elderly people migrate when they retire;
....................................................

- a town where birth rates are high, but from which many young adults leave to find work elsewhere;
....................................................

- a growing town to which many young families have moved?
.................................................... [3]
(iv) Describe the differences in the dependent populations of the towns shown by the population pyramids A and B. Use data in your answer.

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
........................................................................................................................................[4]
(b) Study Fig. 2, which shows changes in the percentage of population over the age of 65 in Indonesia and Malaysia (countries in South East Asia).

![Bar chart showing changes in population over age 65 in Indonesia and Malaysia]

**Fig. 2**

(i) Compare the percentage of the population over the age of 65 in Indonesia and Malaysia in 1990 and 2010. Use data in your answer.

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
........................................................................................................................................ [3]
Suggest reasons for the large increase in the percentage of the population over the age of 65 which is expected in Indonesia and Malaysia by 2025.

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [5]

For a named country which you have studied, describe the problems caused by an ageing population.

Name of country ......................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [7]

[Total: 25 marks]
QUESTION 2

(a) Study Fig. 3, which shows information about the world's urban population in 1950 and 2005.

![Fig. 3](image)

(i) What percentage of the world's urban population lived in the richest countries in 2005?

..............................% [1]

(ii) Using evidence from Fig. 3 only, identify two changes in the world's urban population between 1950 and 2005.

1  ...................................................................................................................................
2  ...................................................................................................................................

........................................................................................................................................ [2]
(iii) Describe **three** different pull factors of urban areas in the poorest countries (LEDCs) for people who live in rural areas.

1 ...........................................................................................................................................................................

2 ...........................................................................................................................................................................

3 ...........................................................................................................................................................................

(iv) The increasing percentage of people living in urban areas is known as urbanisation. Describe the impacts of urbanisation on the natural environment.

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

...........................................................................................................................................................................

........................................................................................................................................................................... [4]
(b) Study Fig. 4, which shows information about an LEDC city.

<table>
<thead>
<tr>
<th>Zone</th>
<th>Central Business District</th>
<th>inner city</th>
<th>outer suburbs</th>
<th>urban fringe</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Land Use</strong></td>
<td>offices, entertainment, shops</td>
<td>good quality housing, open spaces</td>
<td>poor quality housing</td>
<td>squatter settlements, industries</td>
</tr>
<tr>
<td><strong>Building density</strong></td>
<td>very high building density</td>
<td>low building density</td>
<td>high building density</td>
<td>very high building density</td>
</tr>
<tr>
<td><strong>Amenities</strong></td>
<td>100% supplied with water, sewerage, electricity</td>
<td>100% supplied with water, sewerage, electricity</td>
<td>60% with piped water and sewerage, 70% with electricity</td>
<td>5% with piped water, 5% with sewerage, 15% with electricity</td>
</tr>
</tbody>
</table>

Fig. 4

(i) Describe **three** changes in the housing and amenities along the transect X-Y between the inner city and the urban fringe.

1. .............................................................................................................................
   ..................................................................................................................................
   ..................................................................................................................................

2. .............................................................................................................................
   ..................................................................................................................................
   ..................................................................................................................................

3. .............................................................................................................................
   ..................................................................................................................................
   .................................................................................................................................. [3]
(ii) Explain why many newly arrived migrants to cities in LEDCs live in squatter settlements.

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
...................................................................... [5]

(c) For a named town or city in an LEDC, describe what has been done to improve the quality of life for the people who live in squatter settlements.

Name of town or city ..............................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
...........................................................................................................................................
[Total: 25 marks]
QUESTION 3

(a) Study Photograph A (Insert), which shows Pico Viejo, an active volcano in Tenerife.

(i) What is meant by active volcano?
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [1]

(ii) Using only evidence from Photograph A, describe two features of the volcano shown.

1 ....................................................................................................................................
..................................................................................................................................

2 ....................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [2]

(iii) Briefly describe the global distribution of volcanoes.
....................................................................................................................................
....................................................................................................................................
....................................................................................................................................
....................................................................................................................................
....................................................................................................................................
.................................................................................................................................... [3]
(b) Study Fig. 5, information about the impacts of a volcanic eruption in Iceland.

Iceland’s latest volcanic eruption is coming to an end and the unexpected tourist boom that lifted this country’s financial fortunes may be ending too.

Last month, the Eyjafjallajokull volcano began erupting again after almost 200 years, threatening floods and earthquakes but drawing thousands of adventurous tourists to the site where ash and red-hot lava was coming from a crater between two glaciers.

Thousands of people have made the trip to the volcano, 120 kilometres east of Reykjavik, since the eruption began on March 20th. Many people have made a small fortune taking them there, by bus, snowmobile, “superjeep” and even helicopter.

Charter airline Iceland Express says its business has risen by 20% since the eruption, and the Icelandic Tourist Board says 26,000 overseas visitors came to the country in March, a record for a quiet month when it is still winter in Iceland.

Fig. 5

(i) Explain how the eruption of the Eyjafjallajokull volcano benefitted the Icelandic tourist industry.

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
............................................................................................................................. [3]
(ii) In what ways, other than tourism, may people benefit from living close to a volcano?
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................... [4]

(iii) Explain how volcanic eruptions can cause problems for people.
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................... [5]
(c) Explain the causes of an eruption of a named volcano which you have studied. You may use labelled diagrams in your answer.

Name of volcano ..............................

..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
....................................................................................................................................... [7]

[Total: 25 marks]
QUESTION 4

(a) Study Fig. 6, which shows information about deforestation in selected countries.

Fig. 6

(i) Rank the following countries in order of annual deforestation.
Rank from highest to lowest.
(ii) Name the two countries shown in Fig. 6 which have the lowest percentage of remaining forest lost per year.

1 ................................................   2 ................................................... [2]

(iii) Give three different reasons why large amounts of deforestation have occurred in the tropical rainforests.

1  ...............................................................................................................................  ..................................................................................................................................  ..................................................................................................................................

2  ...............................................................................................................................  ..................................................................................................................................  ..................................................................................................................................

3  ...............................................................................................................................  .................................................................................................................................. ............................................................. [3]
(b) Study Fig. 7, an article about the impacts of deforestation.

The Amazon Basin still contains more than a third of the world's remaining rainforest, but deforestation has become a major problem. About 20% of the rainforest has already been destroyed. Huge areas of rainforest disappear each year and every day plants and animals are killed. Some species are becoming extinct. Where the forest has been cleared the land is open to soil erosion. The consequences of deforestation are far-reaching and affect global climate by adding to global warming.

Fig. 7

(i) Explain how deforestation can kill plants and animals.
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [3]

(ii) Explain why deforestation may cause soil erosion.
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [4]
(iii) Suggest how the tropical rainforest can be developed in a sustainable way.

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................... [5]

(c) For a named area of tropical rainforest which you have studied, describe and explain the characteristics of its climate.

Name of area of tropical rainforest ....................................................

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................... [7]

[Total: 25 marks]
QUESTION 5

(a) Study Fig. 8, a flow diagram which shows a commercial farm in an MEDC.

Fig. 8

(i) What is meant by the term commercial farm?

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [1]

(ii) Identify one crop and one animal product which the farmer in Fig. 8 produces.

Crop ........................................... Animal product ........................................... [2]

(iii) Suggest three different natural inputs which will be required by the farm shown in Fig. 8.

1 ....................................................
2 ....................................................
3 ..................................................... [3]
(iv) Explain how commercial farmers in MEDCs have increased their output.
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................... [4]

(b) Study Photograph B (Insert), which shows an area where agriculture is taking place in a tropical country.

(i) Describe three different features of the farming shown in Photograph B.
1 ..................................................................................................................................
2 ..................................................................................................................................
3 ..................................................................................................................................
..................................................................................................................................... [3]
(ii) Suggest reasons for the land use in the area shown in Photograph B. You should refer to natural and human factors.

..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................... [5]

(c) Name an area where small scale subsistence farming takes place. Explain why the farmers are subsistence farmers.

Name of area ............................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
............................................................................................................................. [7]

[Total: 25 marks]
**QUESTION 6**

(a) Study Fig. 9, which shows information about water supply in an area.

---

**Fig. 9**

(i) Estimate the height of the reservoir (dam) above sea level.

....................... metres [1]

(ii) Identify two other methods of water supply in the area shown in Fig. 9.

1 ........................................  2 ........................................ [2]
(iii) Explain how water will be used in the area shown in Fig. 9 for agricultural, domestic and industrial purposes.

Agricultural ...............................................................................................................
..................................................................................................................................
..................................................................................................................................

Domestic ..................................................................................................................
..................................................................................................................................
..................................................................................................................................

Industrial ..................................................................................................................
..................................................................................................................................
.................................................................................................................................. [3]

(iv) Suggest different ways in which the rivers shown on Fig. 9 may become polluted.
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
.................................................................................................................................. [4]
(b) Study Photograph C (Insert), which shows an area in an MEDC which is being considered for the site of a reservoir (dam).

(i) Suggest three advantages of the area shown in Photograph C for the site of a reservoir (dam).

1 ..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
2 ..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
3 ..................................................................................................................................
..................................................................................................................................
............................................................................................................................. [3]

(ii) Explain why some people will be in favour of building the reservoir (dam) at this site but other people will be against it.
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
..................................................................................................................................
............................................................................................................................. [5]
(c) For a named area or country, explain why it suffers from food shortages.

Name of area or country ....................... 
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
..........................................................................................................................................
............................................................................................................................................. [7]

[Total: 25 marks]

END OF QUESTION 6
Additional Page

If you use the following lined page to complete the answer(s) to any question(s), the question number(s) must be clearly shown.

.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
.........................................................................................................................................................
...................................................................................................................................................