X208/11/01

GEOGRAPHY
INTERMEDIATE 2

Candidates should answer **four** questions:

Section A	Question 1 **and** Question 2	
AND		
Section B	any **two** questions from Questions 3 to 7	

Candidates should read the questions carefully. Answers should be clearly expressed and relevant.

Credit will always be given for appropriate sketch-maps and diagrams.

Write legibly and neatly, and leave a space of about one cm between the lines.

All maps and diagrams in this paper have been printed in black only: no other colours have been used.

SQA

IN THIS SECTION YOU <u>MUST</u> ANSWER QUESTION 1 <u>AND</u> QUESTION 2.

Question 1: Physical Environments

(*a*) Study the Ordnance Survey Map Extract (No 1939/OL12).

Match the following surface limestone features with the correct grid references.

Intermittent drainage **Limestone pavement** **Pot hole**

Choose from:

Grid References   814175   819163   817155   833164   **3**

(*b*) **Explain** the formation of stalactites and stalagmites.
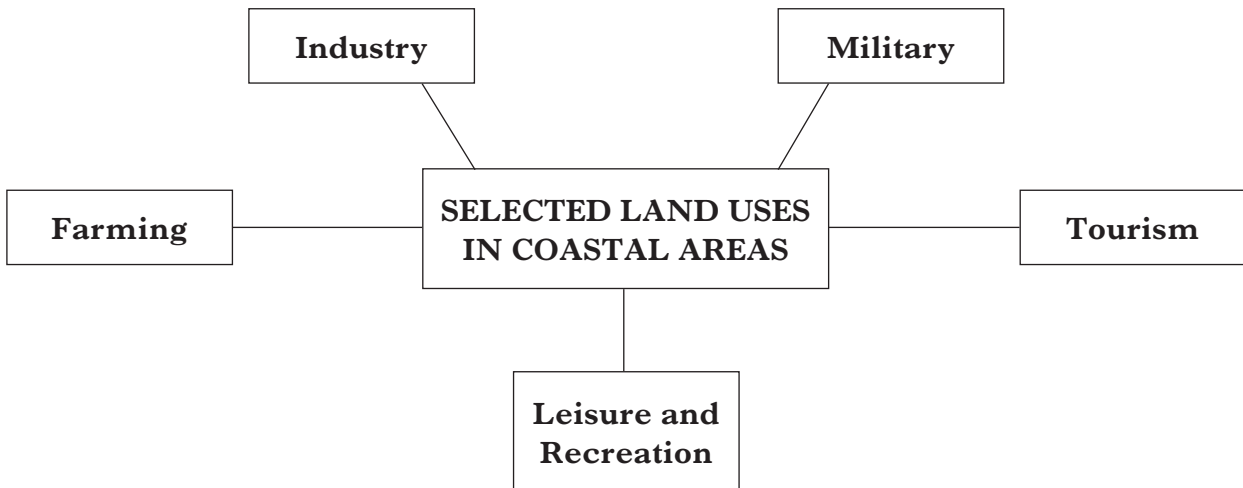
You may use diagrams. **4**

(*c*) Study the River Tawe between grid references 847167 (Tawe Bridge) and 810125.

Describe the physical features of the river **and** its valley. **4**

(*d*) More than 150,000 people visit the Brecon Beacons National Park each year.

Explain the attractions of the **physical** landscape in this area for tourists. **5**

Diagram Q1A

```
         Industry                        Military

Farming          SELECTED LAND USES                  Tourism
                 IN COASTAL AREAS

                  Leisure and
                  Recreation
```
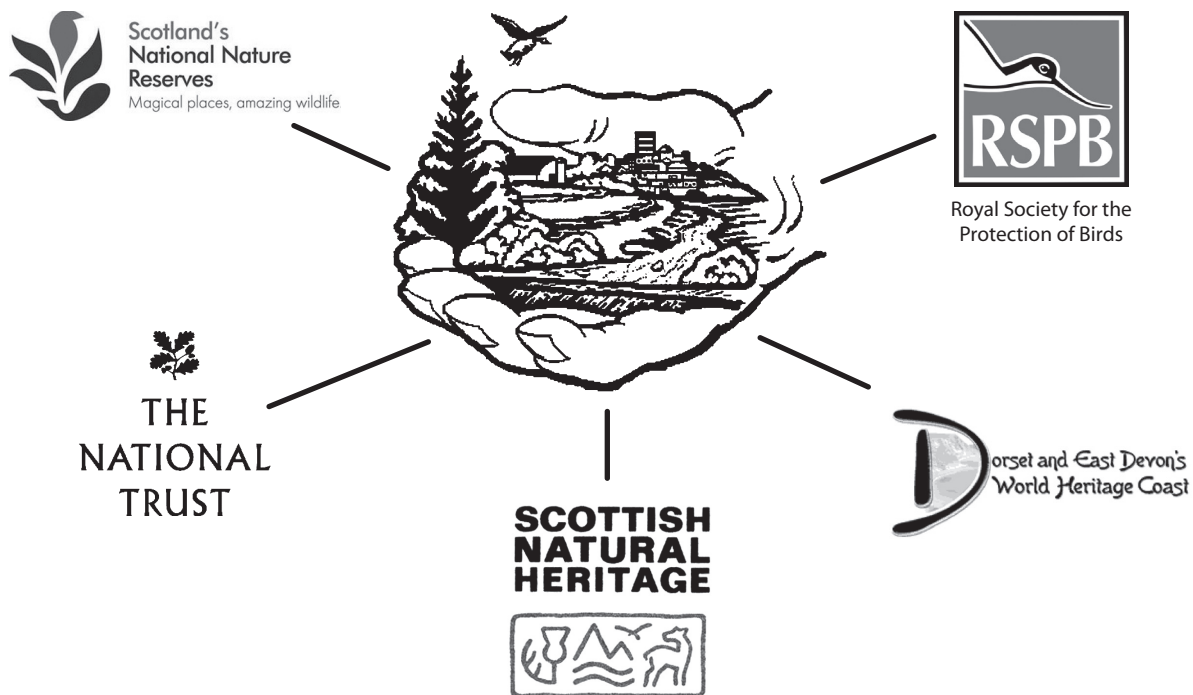
(*e*) Study Diagram Q1A.

For any coastal area you have studied, describe the conflicts between different land uses. **5**

1. (continued)

Diagram Q1B

CONSERVATION

Scotland's
National Nature
Reserves
Magical places, amazing wildlife

RSPB

Royal Society for the
Protection of Birds

THE
NATIONAL
TRUST

orset and East Devon's
World Heritage Coast

**SCOTTISH
NATURAL
HERITAGE**

(*f*)   Study Diagram Q1B.

Explain how different organisations help to protect the countryside.

4

(25)

[*END OF QUESTION 1*]

NOW GO ON TO QUESTION 2

Question 2: Human Environments

Table Q2A: Selected Countries with a High Population Density

Country	*People per square kilometre*
Bangladesh	1040
Taiwan	644
South Korea	492
Netherlands	400
India	378
United Kingdom	258

(*a*)   Study Table Q2A.

Referring to human **and** physical factors, **explain** why some countries have a **high** population density.

5

Diagram Q2B: Newspaper Headline

China's population to reach 1·5 billion by 2033
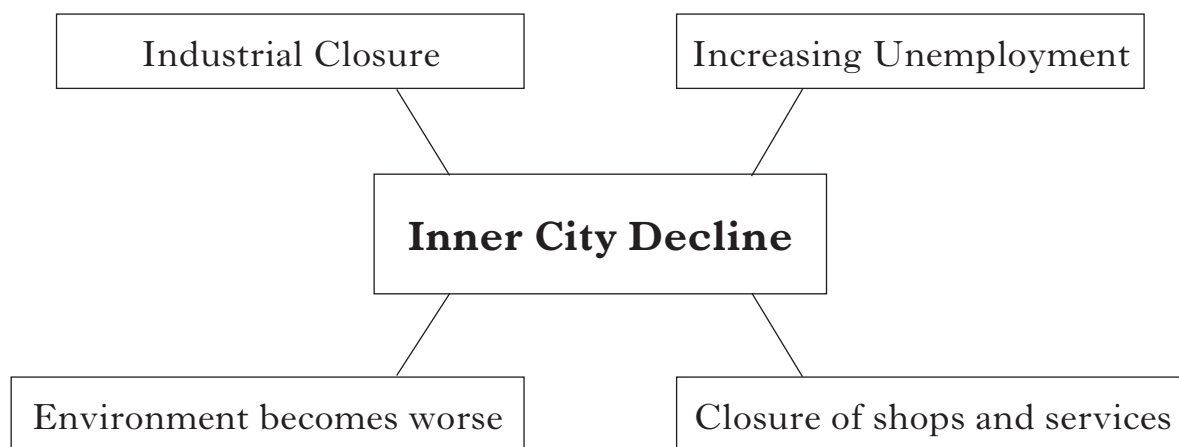
(*b*)   Look at Diagram Q2B.

Describe ways in which countries like China are attempting to reduce their population growth rate.

4

2.   (continued)

Diagram Q2C: Changes in the Inner City

Industrial Closure		Increasing Unemployment

Inner City Decline

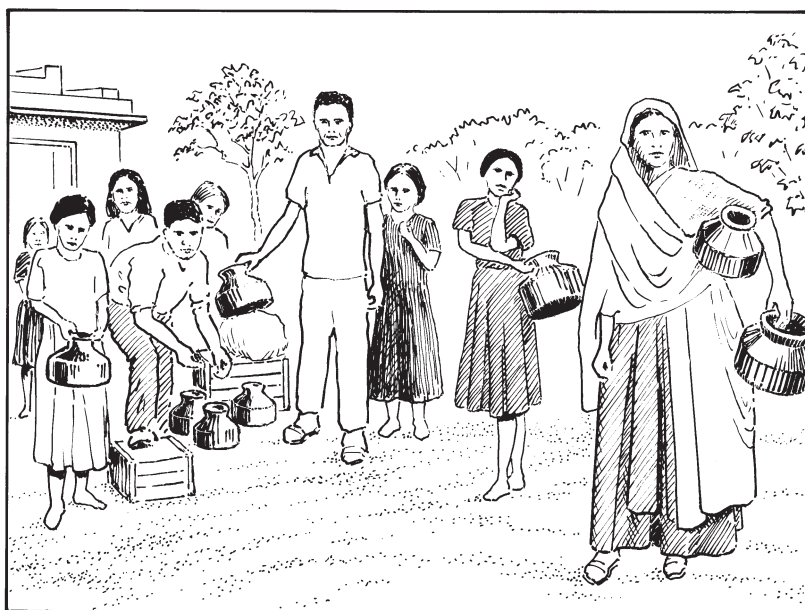| Environment becomes worse		Closure of shops and services

(*c*)   Study Diagram Q2C.

For a named city in the developed world, describe ways in which inner city areas are being improved.   **5**

Diagram Q2D: Rural—Urban Migration in India

39 million people have migrated from rural to urban areas since 2005

(*d*)   Look at Diagram Q2D.

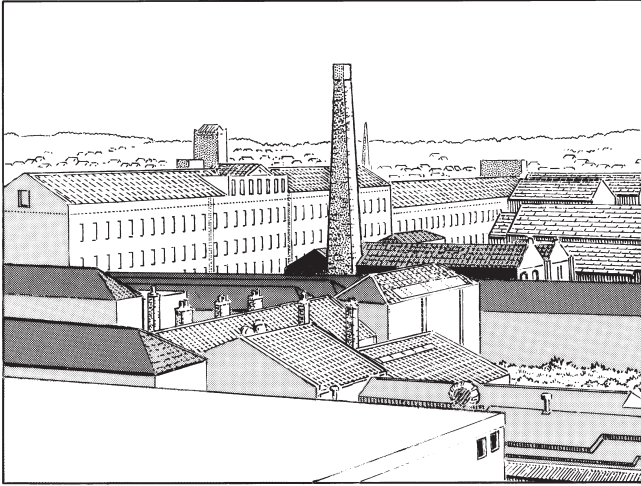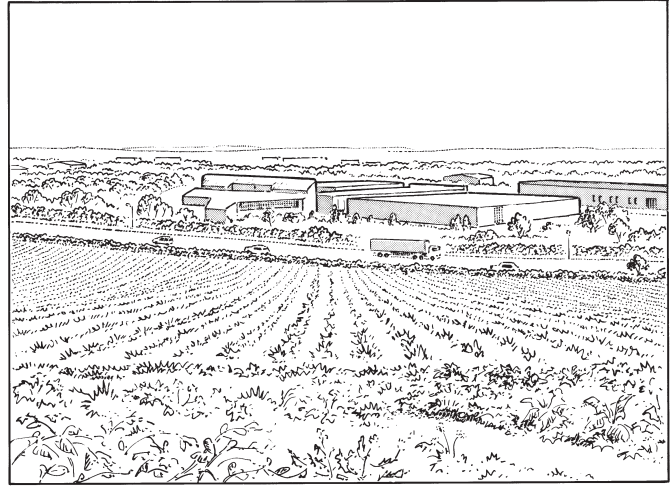Why do people in developing countries move from rural to urban areas?   **6**

2. **(continued)**

Diagram Q2E: Changing Industrial Location

19th Century —Inner City   **21st Century —Edge of City**

(*e*)   Look at Diagram Q2E.

   Explain why many new factories now locate at the edge of cities.   **5**

                                                                    (25)

[*END OF SECTION A*]

NOW TURN TO SECTION B AND ANSWER TWO QUESTIONS

SECTION B

Environmental Interactions

Answer any two questions from this section.

Choose from

[Turn over

Question 3: Rural Land Degradation

Diagram Q3: Forest Destruction

(*a*)   Study Diagram Q3.

Ⅰ   **Explain** why deforestation takes place in many parts of the world.   **4**
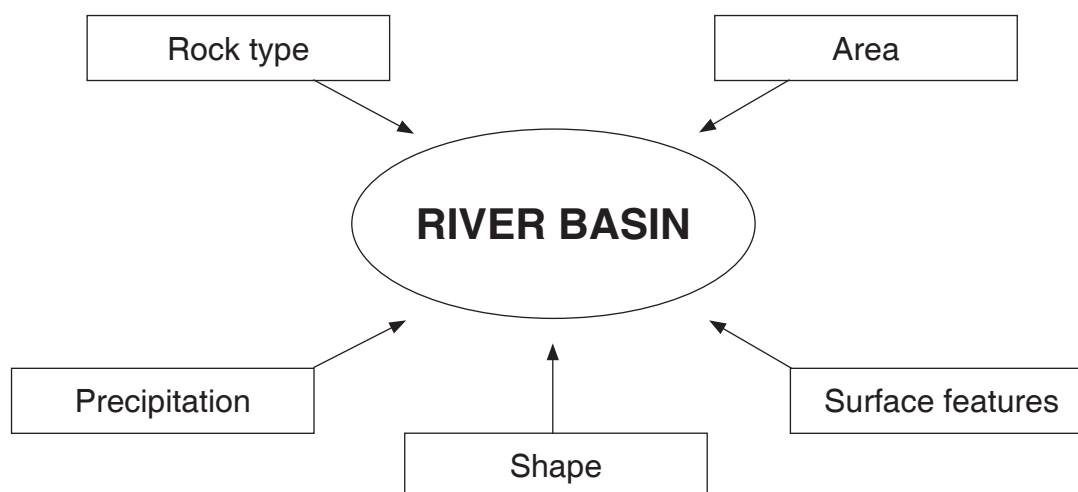
(*b*)   (i)   For an area you have studied, describe the effects of desertification on the people **and** the landscape.   **5**

(ii)   Describe in detail different methods of reducing desertification.   **6**

(15)

Question 4: River Basin Management

Diagram Q4A: Factors Affecting Water Movement and Storage
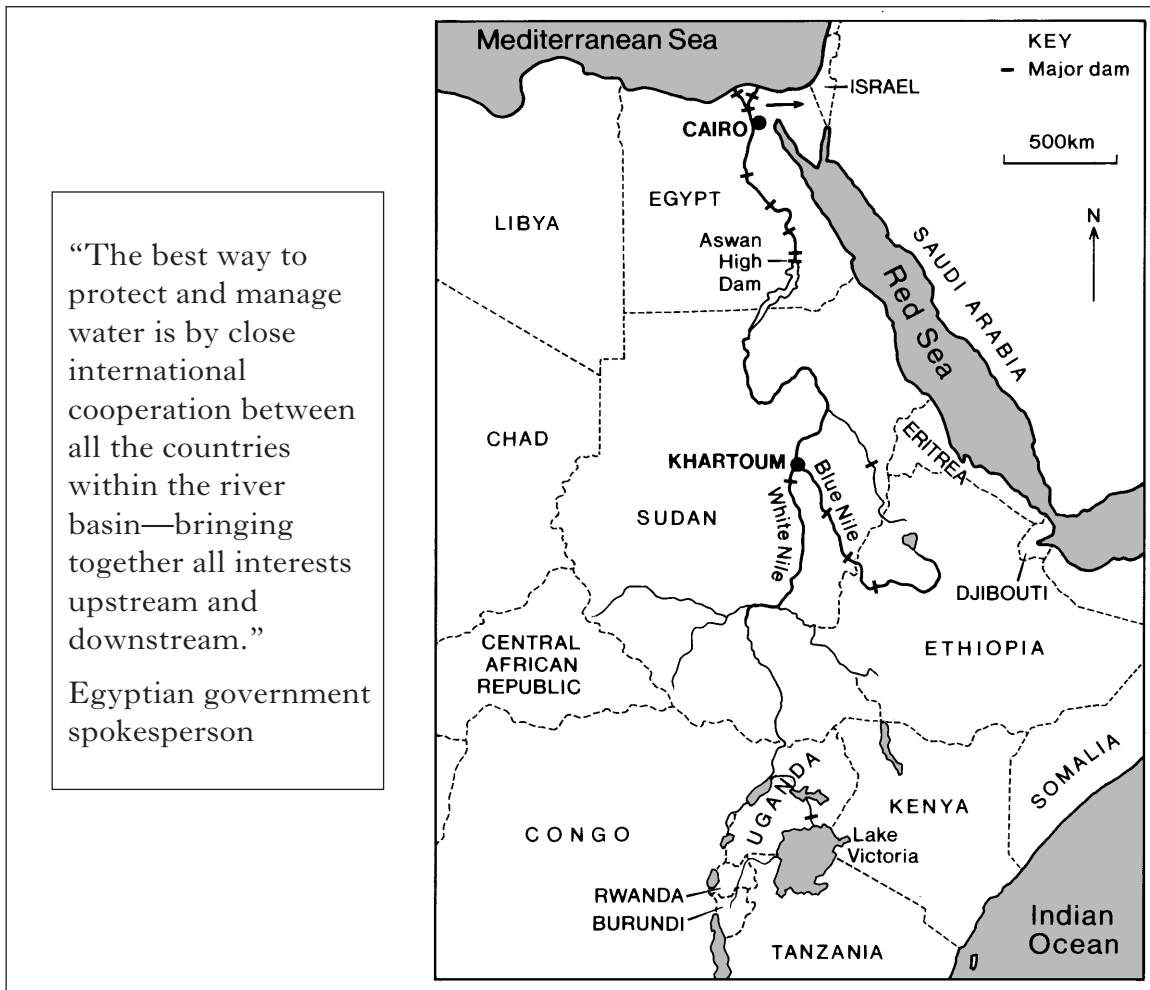

(a) Study Diagram Q4A.

Explain how the factors shown in the diagram can affect the movement and storage of water in a river basin. **5**

[Turn over

Diagram Q4B: River Nile Management Project

"The best way to protect and manage water is by close international cooperation between all the countries within the river basin—bringing together all interests upstream and downstream."

Egyptian government spokesperson

(*b*)   Study Diagram Q4B.

For this **or** any other river management project you have studied:

(i)   describe the social, economic and environmental benefits;   **6**

(ii) suggest possible disadvantages of the project.   **4**

(15)

Question 5: European Environmental Inequalities

Table Q5: Pollution Levels in the Black Sea

Type of Pollutant (tonnes per year)	2007	2008	2009	2010
Oil	290	240	200	170
Nitrates	550	700	750	710

(*a*)   Using the data shown in Table Q5:

   (i)   using the **separate Worksheet Q5(*a*)(i)**, draw a multiple line graph to show pollution levels in the Black Sea between 2007 and 2010;   **3**

   (ii)   describe the changes in pollution from oil and nitrates shown in the graph.   **3**

(*b*)   (i)   For any **two mountain** areas **OR** any **two coastal** areas you have studied, **explain** the difference in their environmental quality.   **5**

   (ii)   For the areas chosen in (*b*)(i), describe methods used to maintain or improve the quality of the environment.   **4**

   (15)

[Turn over

Question 6: Development and Health

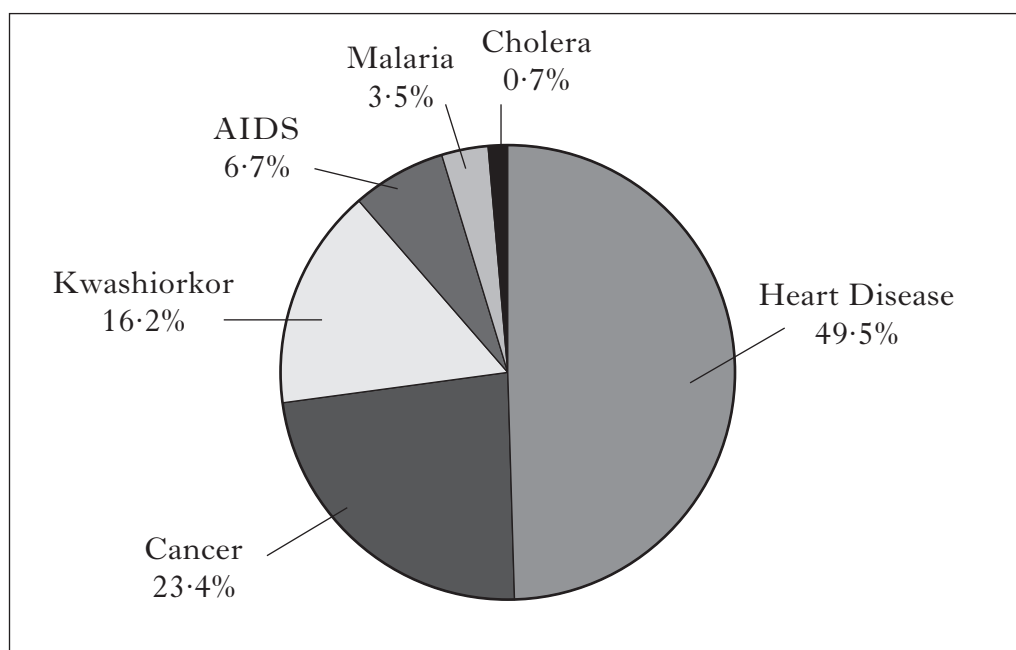**Diagram Q6A: Levels of Development in Nigeria and Japan**

Indicators	Japan	Nigeria
GNI per capita (US $)	35,220	1940
Exports	Electronic goods, cars, iron, steel	Oil, natural gas, cocoa, rubber
Life expectancy at birth	83	47
Infant Mortality (per 1000 live births)	3	75
Adult literacy rate (%)	99	72

(*a*) Study Diagram Q6A.

    Explain why some countries are more developed than others.　　　**6**

Diagram Q6B: Worldwide Causes of Death 2011

(*b*) Study Diagram Q6B.

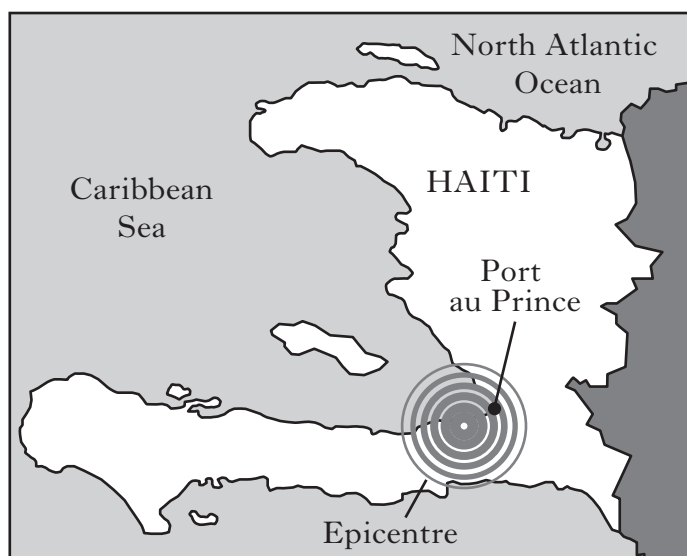 (i) Choose **one** of the diseases shown in Diagram Q6B and describe its causes.　　**5**

  (ii) Describe the methods used to control the spread of either Malaria **or** Heart Disease.　　**4**

(15)

Question 7: Environmental Hazards

Diagram Q7: Haiti Earthquake 2010

(*a*)   Study Diagram Q7.

Referring to the Haiti Earthquake, **or** any other earthquake you have studied:

 (i) **explain** the cause of the earthquake;   **3**

(ii) describe the impact of the earthquake on the landscape **and** people of the area.   **5**

(*b*)   For a tropical storm you have studied:

 (i) describe the methods of predicting the storm and comment on their effectiveness;   **4**

(ii) **explain** the importance of **long-term** aid in reducing the effect of the storm.   **3**

                                                                                          (15)

[*END OF QUESTION PAPER*]

[BLANK PAGE]

[BLANK PAGE]

X208/11/21

NATIONAL
QUALIFICATIONS
2012

TUESDAY, 8 MAY
9.00 AM – 11.00 AM

GEOGRAPHY
INTERMEDIATE 2
Worksheet Q5(a)(i)

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname
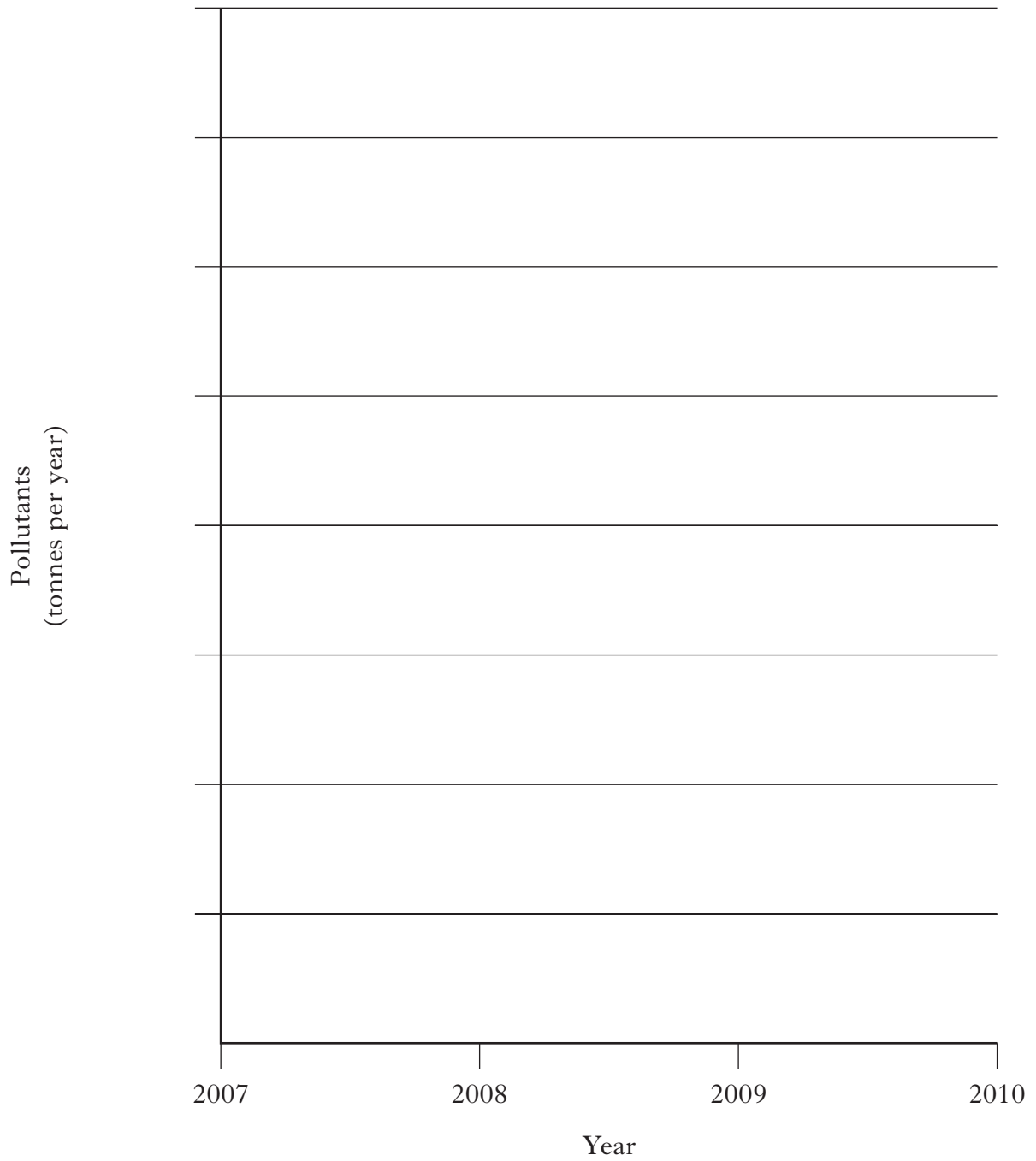
Date of birth

Day   Month   Year

Scottish candidate number

Number of seat

To be inserted inside the front cover of the candidate's answer book
and returned with it.

SQA
©

POLLUTION LEVELS IN THE BLACK SEA

[END OF WORKSHEET]