

# X208/11/01

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NATIONAL TUESDAY, 8 MAY  
QUALIFICATIONS 9.00 AM – 11.00 AM  
2012

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.



SECTION A

Marks

IN THIS SECTION YOU **MUST** ANSWER QUESTION 1 **AND** 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**

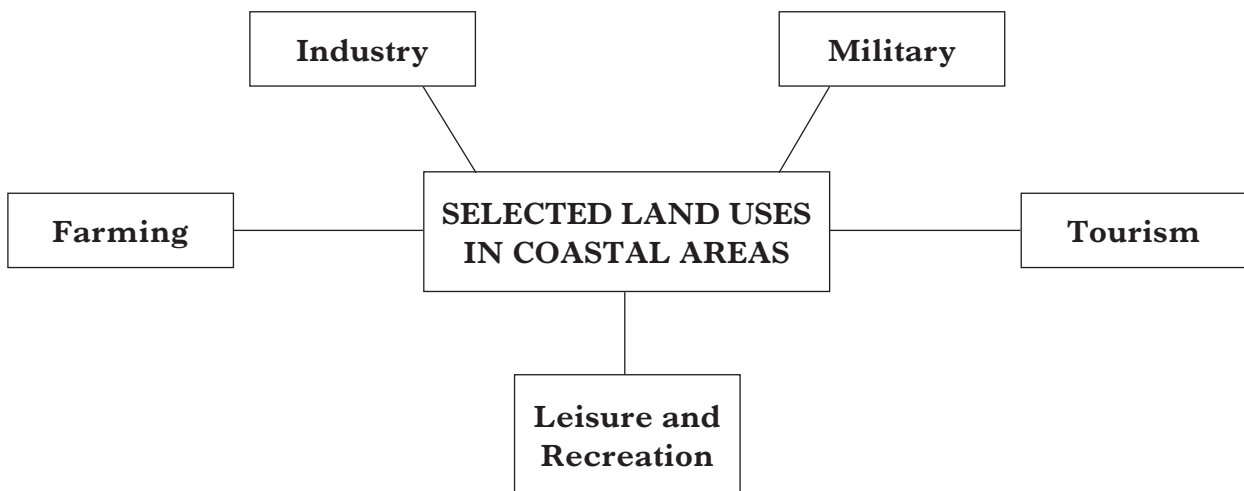
(c) Study the River Tawe between grid references 847167 (Tawe Bridge) and 810125.

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**



(e) Study Diagram Q1A.

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

1. (continued)

Diagram Q1B

# CONSERVATION



(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

[Turn over

## Question 2: Human Environments

Table Q2A: Selected Countries with a High Population Density

<i>Country</i>	<i>People per square kilometre</i>
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**

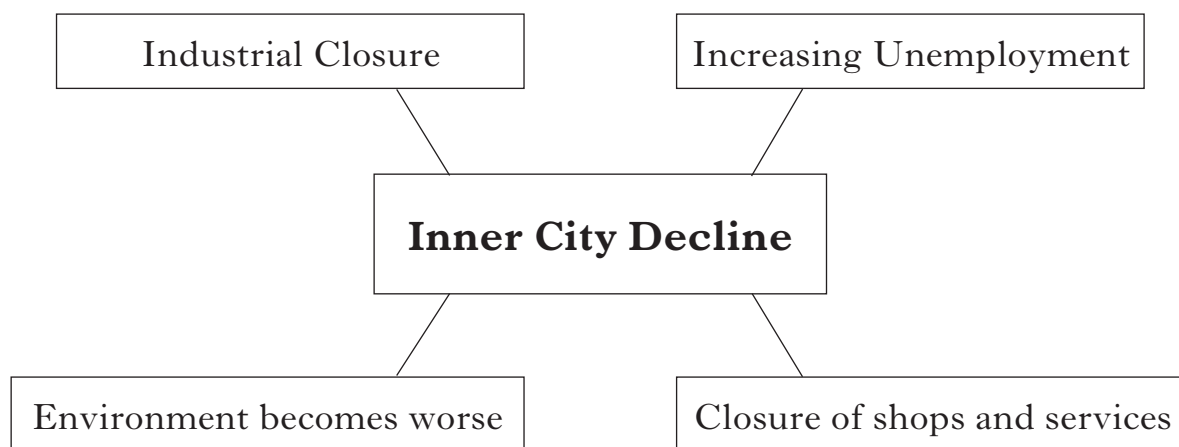
(b) Look at Diagram Q2B.

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**

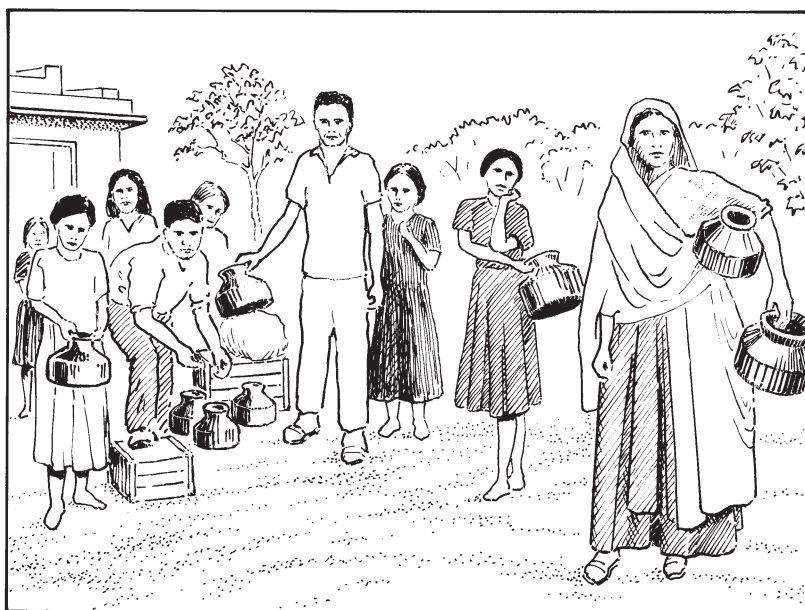


(c) Study Diagram Q2C.

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?

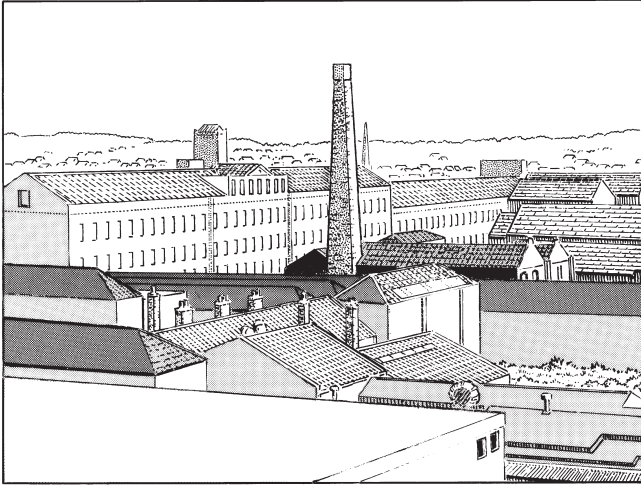
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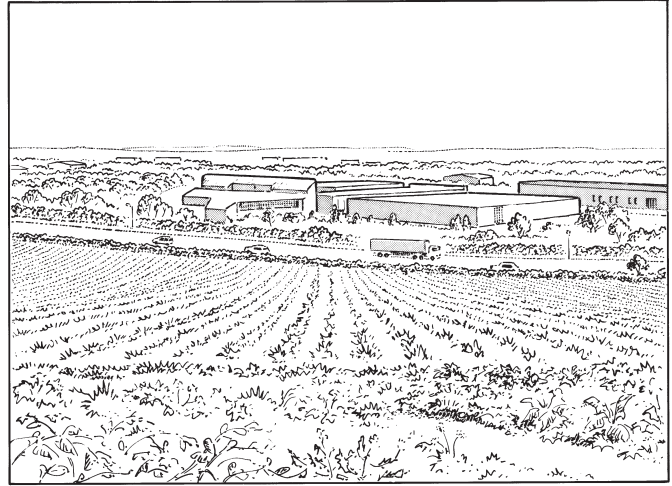
2. (continued)

**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

- |            |  |                 |
|------------|--|-----------------|
| Question 3 | <b>Rural Land Degradation</b>              | (Page 8)        |
| Question 4 | <b>River Basin Management</b>              | (Pages 9 to 10) |
| Question 5 | <b>European Environmental Inequalities</b> | (Page 11)       |
| Question 6 | <b>Development and Health</b>              | (Page 12)       |
| Question 7 | <b>Environmental Hazards</b>               | (Page 13)       |

**[Turn over**

## Question 3: Rural Land Degradation

Diagram Q3: Forest Destruction



(a) Study Diagram Q3.

**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.

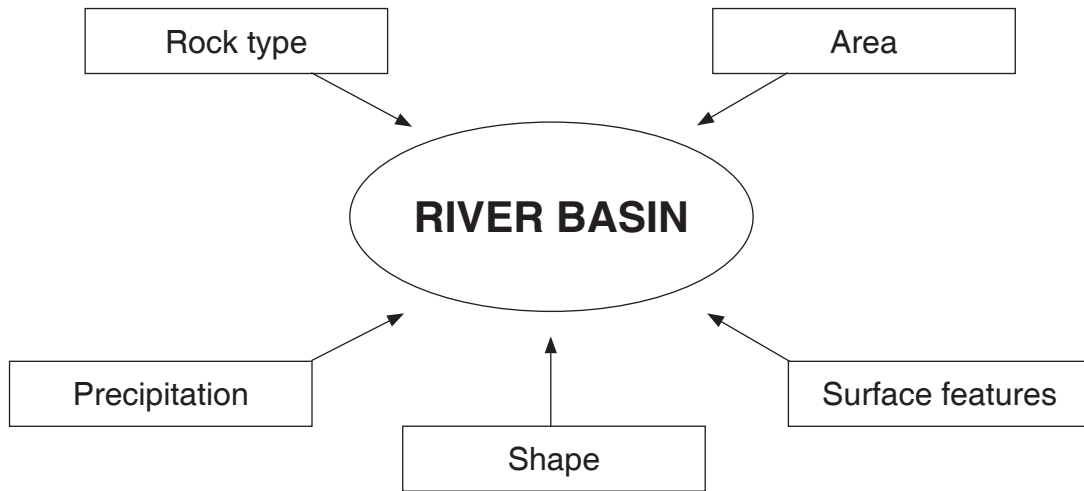
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**Question 4: River Basin Management**

**Diagram Q4A: Factors Affecting Water Movement and Storage**



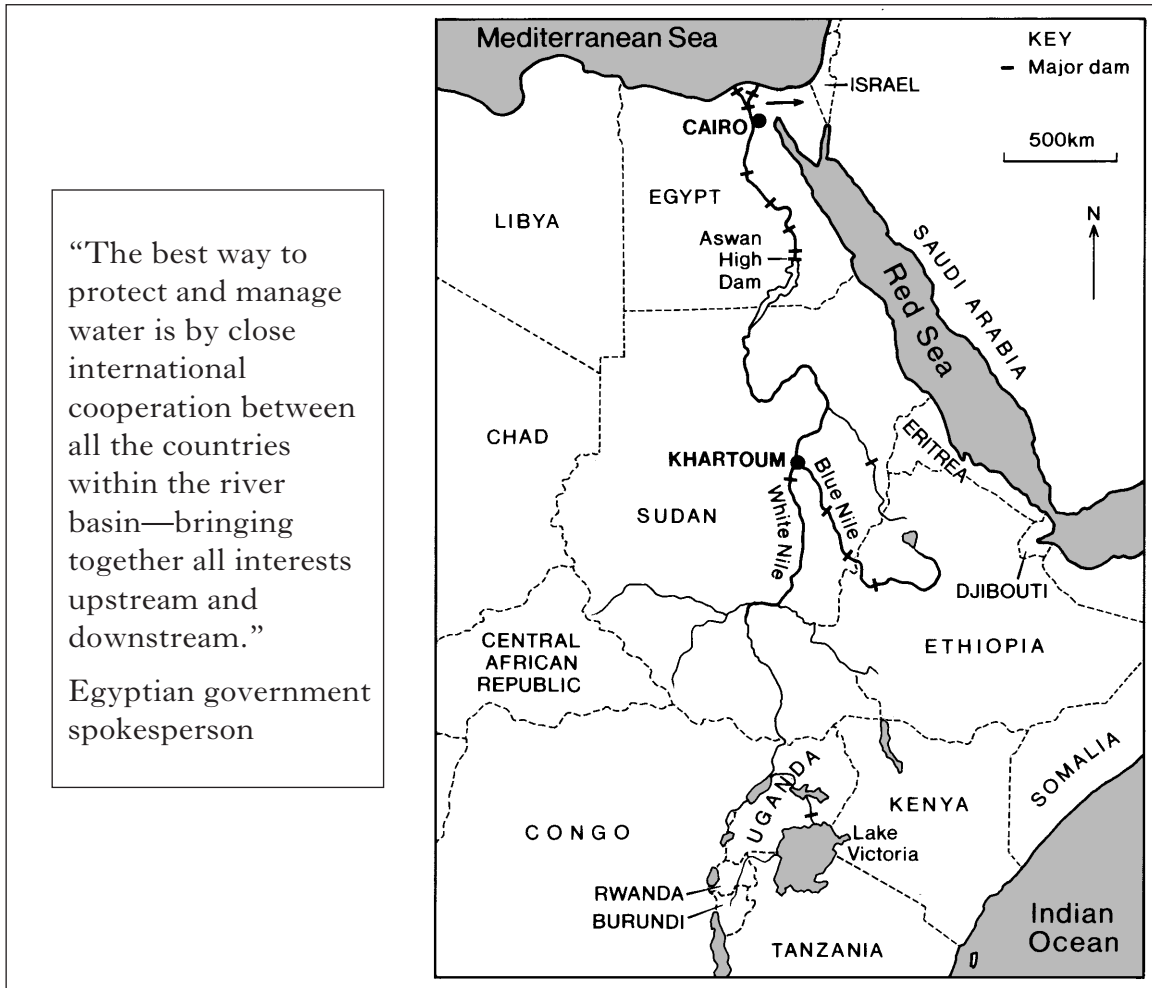
(a) Study Diagram Q4A.

**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



(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**

<i>Type of Pollutant (tonnes per year)</i>	<i>2007</i>	<i>2008</i>	<i>2009</i>	<i>2010</i>
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**

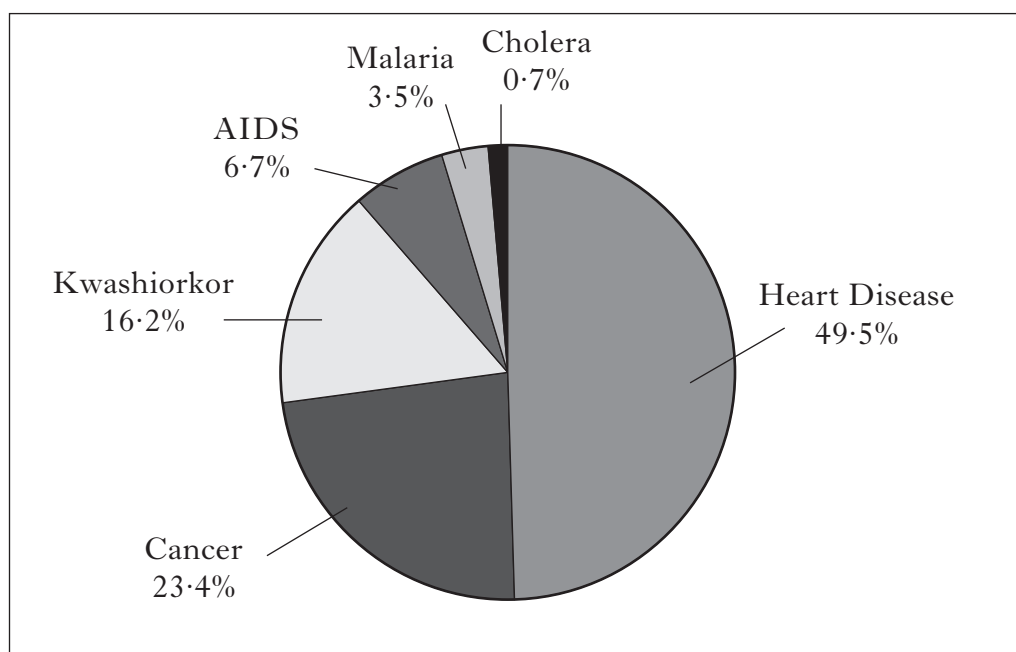
<i>Indicators</i>	<i>Japan</i>	<i>Nigeria</i>
GNI per capita (US \$)	35,220	1940
Exports	Electronic goods, cars, iron, steel	Oil, natural gas, cocoa, rubber
Life expectancy at birth	83	47
Infant Mortality (per 1000 live births)	3	75
Adult literacy rate (%)	99	72

(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

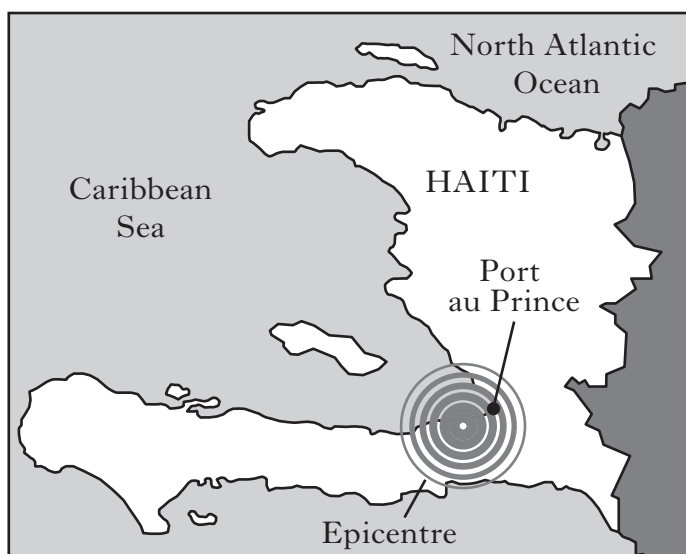
(ii) Describe the methods used to control the spread of either Malaria **or** Heart Disease.

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

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[END OF QUESTION PAPER]

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## ACKNOWLEDGEMENT

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