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| Surname     | Centre Number | Candidate Number |
| Other Names |               | 0                |



**GCSE**

4231/02

**GEOGRAPHY**

**(Specification A)**

**HIGHER TIER**

**UNIT 1 Core Geography**

A.M. THURSDAY, 14 June 2012

1<sup>3</sup>/<sub>4</sub> hours

| For Examiner's use only |  |
|-------------------------|--|
| Question 1              |  |
| Question 2              |  |
| Question 3              |  |
| Question 4              |  |
| Question 5              |  |
| Question 6              |  |
| <b>TOTAL MARKS</b>      |  |

**INSTRUCTIONS TO CANDIDATES**

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** the questions.

Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the book, taking care to number the continuation correctly.

**INFORMATION FOR CANDIDATES**

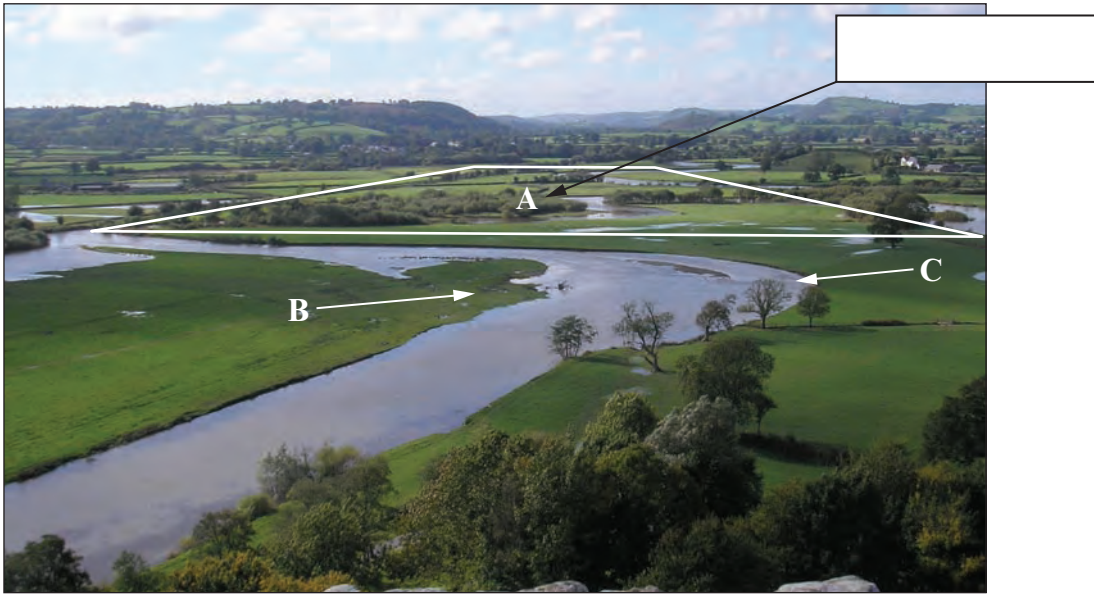
The number of marks is given in brackets at the end of each question or part-question.

You are reminded that assessment will take into account the quality of written communication used in your answers that involve extended writing.

Answer all questions.

**Theme 1 – Water**

1. (a) Study the photograph (below) and diagram opposite.



(i) In the box provided label landform **A** identified in the photograph. [1]

(ii) Explain how the river has created feature **B**. [2]

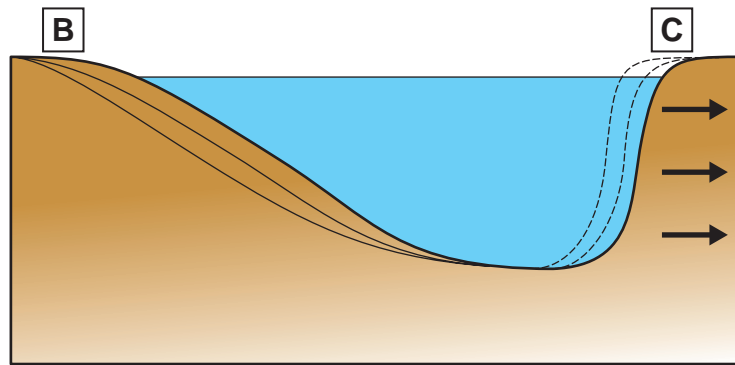
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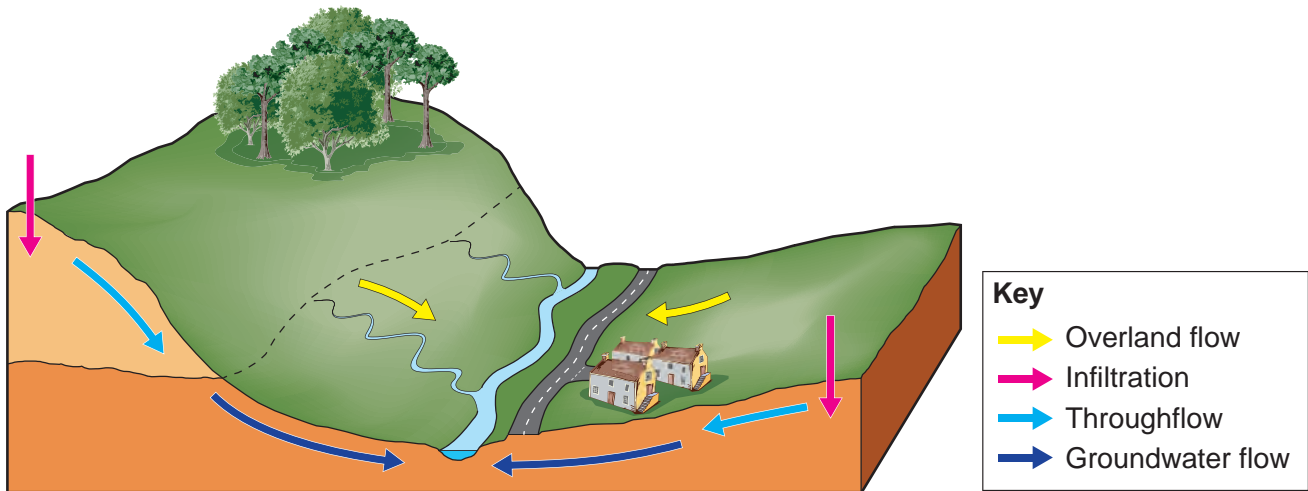
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- (iii) The diagram shows a cross-section from **B** to **C** in the photograph. Annotate **this** diagram to explain how **one** river process is causing the outward migration of the meander bend. [4]



- (b) Study the diagram below.

Flow of water in a drainage basin



Use evidence from the diagram to explain how people affect the flow of water in a drainage basin. [2]

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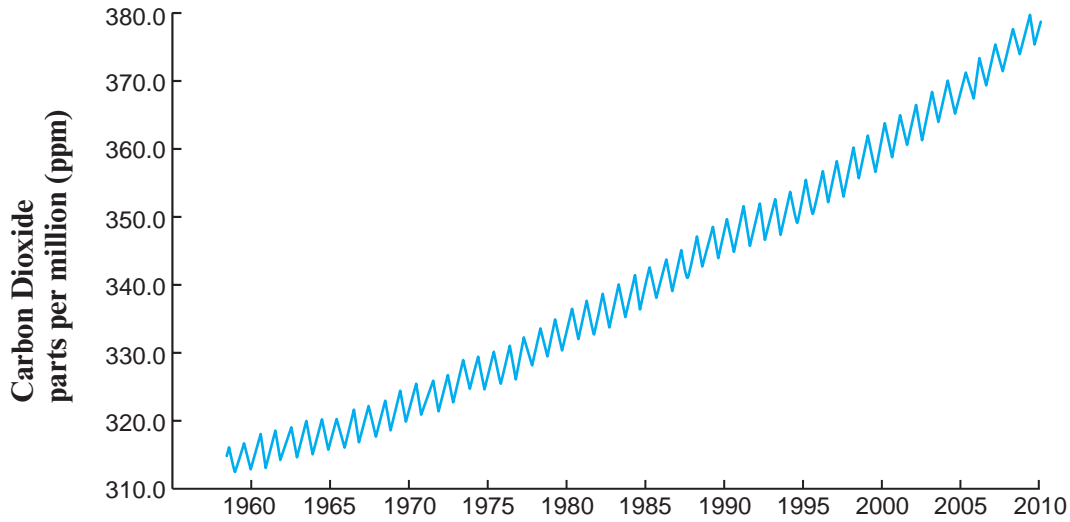
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**Theme 2 – Climate Change**

2. (a) Study the graph below.

**Carbon Dioxide (CO<sub>2</sub>) in the Atmosphere**



(i) Describe the change in CO<sub>2</sub> in the atmosphere between 1960 and 2010. [2]

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(ii) Suggest reasons to explain why the total amount of CO<sub>2</sub> has changed over time. [3]

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(b) Outline the likely positive and negative effects of climate change on the lives of people who live in MEDCs such as the UK. [4]

Positive effects

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Negative effects

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(c) Read the following newspaper article about Bangladesh, which is an LEDC.

### Climate change and Bangladesh

Adapted from Md Saidur Rahman 2007

Rising sea levels is one of the most important issues humans will have to grapple with in this century. The people who will be affected first live in places with low-lying deltas like Bangladesh.

The increasing intensity of tropical storms and rising sea level are making it impossible for people to live in some parts of the country. Millions of people face the possibility of being among the first climate refugees. A one metre sea level rise would flood more than 15 per cent of Bangladesh, forcing 13 million people to leave their homes.

Explain why climate change is likely to have a greater impact on the lives of people who live in LEDCs, rather than people who live in MEDCs.

Use information from this article and your own knowledge to illustrate your answer.

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Theme 3 – Living in an Active Zone

3. (a) Study the photograph and map below.



Key:  $\triangle$  = Volcano

(i) Describe the location of Skjaldbreiður. [2]

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(ii) Use the map and photograph to identify **two** pieces of evidence to suggest that the photograph was taken at a constructive plate margin. [2]

1. ....

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2. ....

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- (iii) Explain the formation of any **one** landform found at constructive plate margins.  
You **must** use a diagram to help your answer. [5]

Landform .....

Explanation .....

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(b) Explain how the impact of earthquakes on people’s lives may be reduced.  
Use one or more examples to illustrate your answer.

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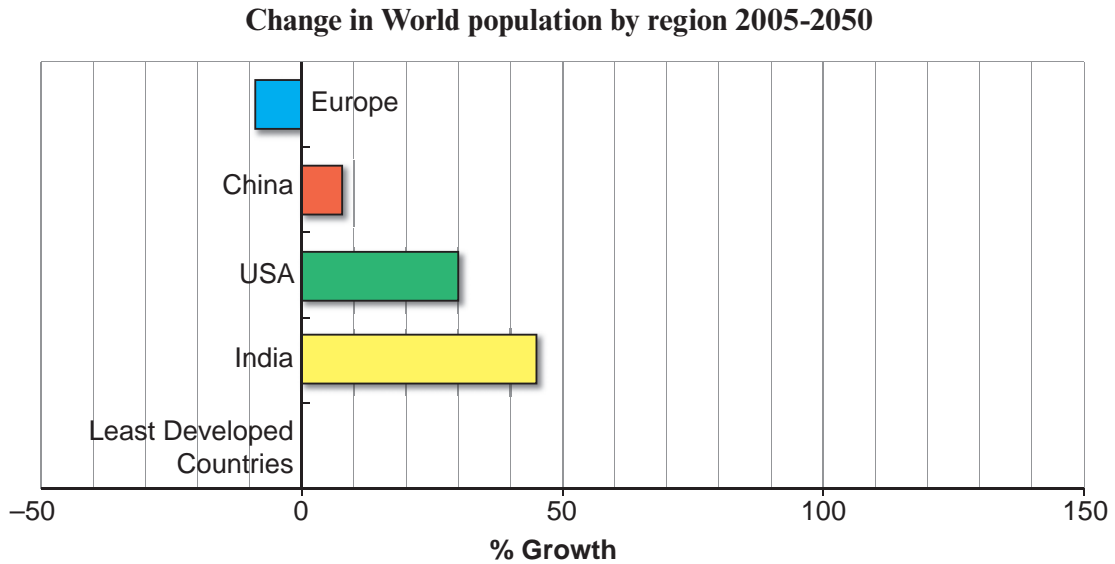
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**Theme 4 – Changing Populations**

4. (a) Study the bar chart below.



(i) The population of Least Developed Countries will grow 125% by 2050. **Add a bar to the graph** to show this. [1]

(ii) By how much is **India's** population predicted to grow between 2005 and 2050? [1]  
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(iii) Suggest reasons to explain the predicted population change in **one** other region identified in the graph. [3]

Region .....

Explanation

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(b) Study the photograph below.

**Hambleden - Buckinghamshire**



Reproduced from <http://sobreinglaterra.com>

The picturesque village of Hambleden was bought in 2007 by new land owner Mr Scharzenbach for £38m.

Using evidence in the photograph **only**, describe the attractions of living in rural areas in MEDCs such as the UK. [4]

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(c) Explain why many Western European countries face an increasingly **ageing population**.  
Use one or more examples to illustrate your answer. [6]

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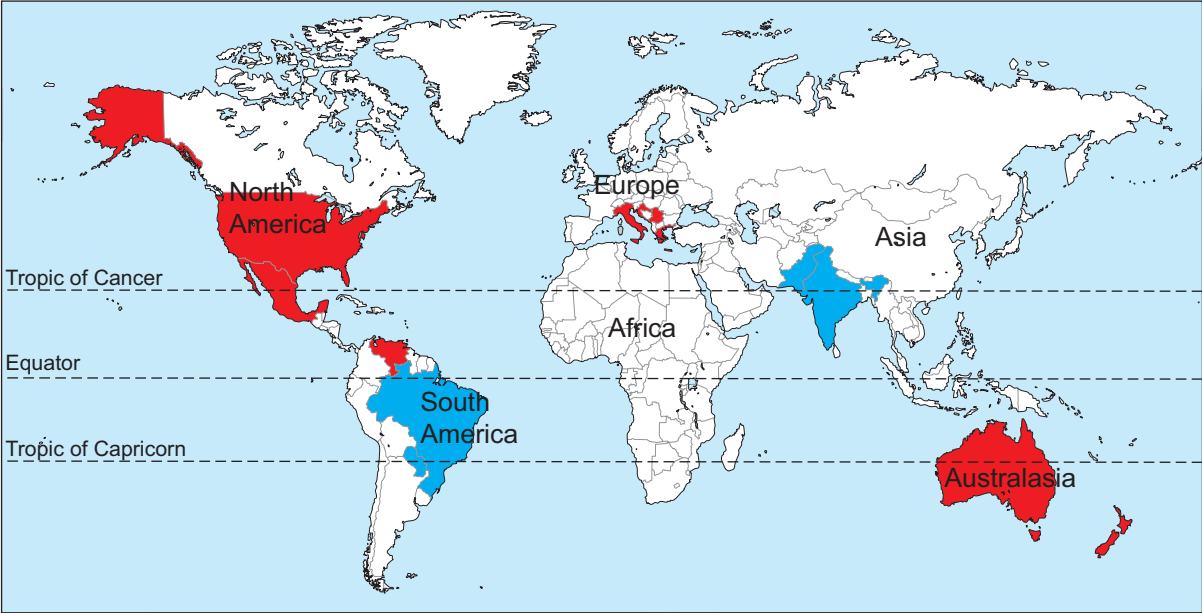
**Theme 5 – Globalisation**

5. (a) Study the textbox and map below.

Globalisation is when human activities increasingly take place on a worldwide scale

**Countries in which the social networking sites myspace and orkut are the most popular.**

 myspace     orkut



(i) Compare the distribution of countries in which myspace and orkut are the most popular social networking website. [3]

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- (ii) Explain how changes in technology have allowed increased globalisation of human activities. [3]

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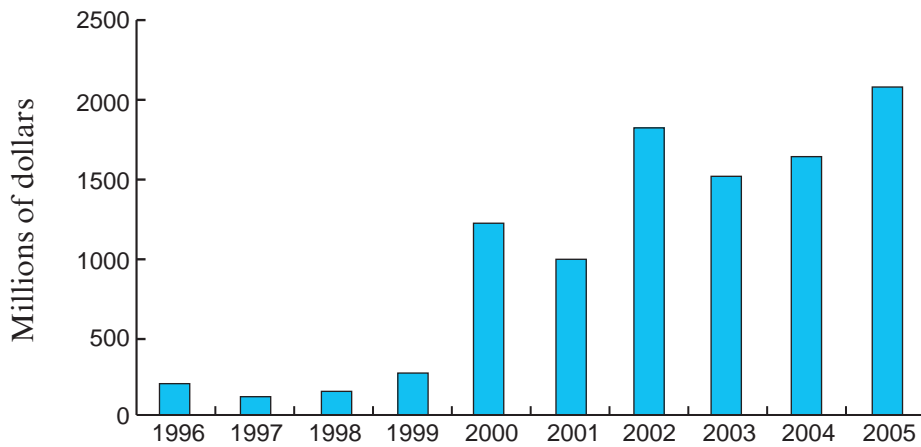
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- (b) Study the graph below.

**Indian Trans-National Company (TNC) Investments Abroad (1996-2005)**



Describe Indian TNC investments abroad between 1996 and 2005. [3]

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(c) Explain why some people who live in newly industrialised countries such as India or China see globalisation as a threat.

Use one or more examples to illustrate your answer. [6]

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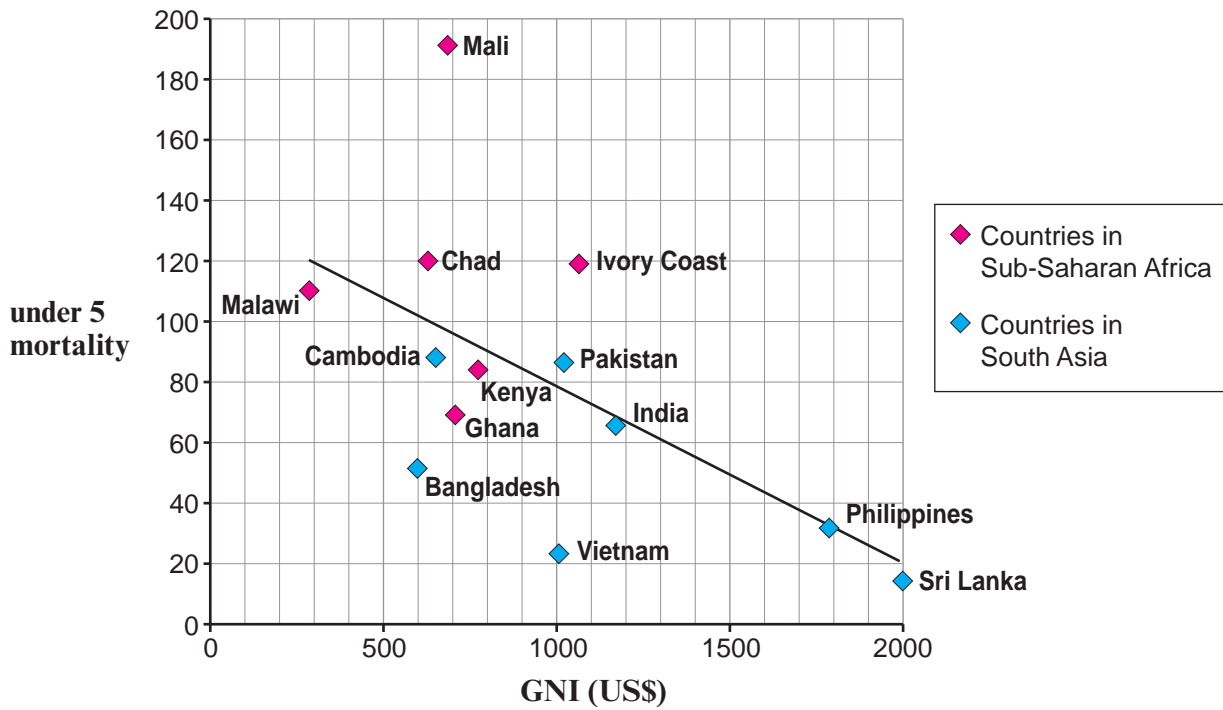
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**Theme 6 – Development**

6. (a) Study the textbox and scattergraph below.

**GNI is a measure of the wealth of a country. It is usually measured in US Dollars (US\$). Under 5 mortality is the number of children who die before the age of 5 for every 1000 births.**



(i) Describe the relationship between GNI and under 5 mortality. [2]

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(ii) Use the graph to describe the differences in under 5 mortality between countries in Sub-Saharan Africa and countries in South Asia. [2]

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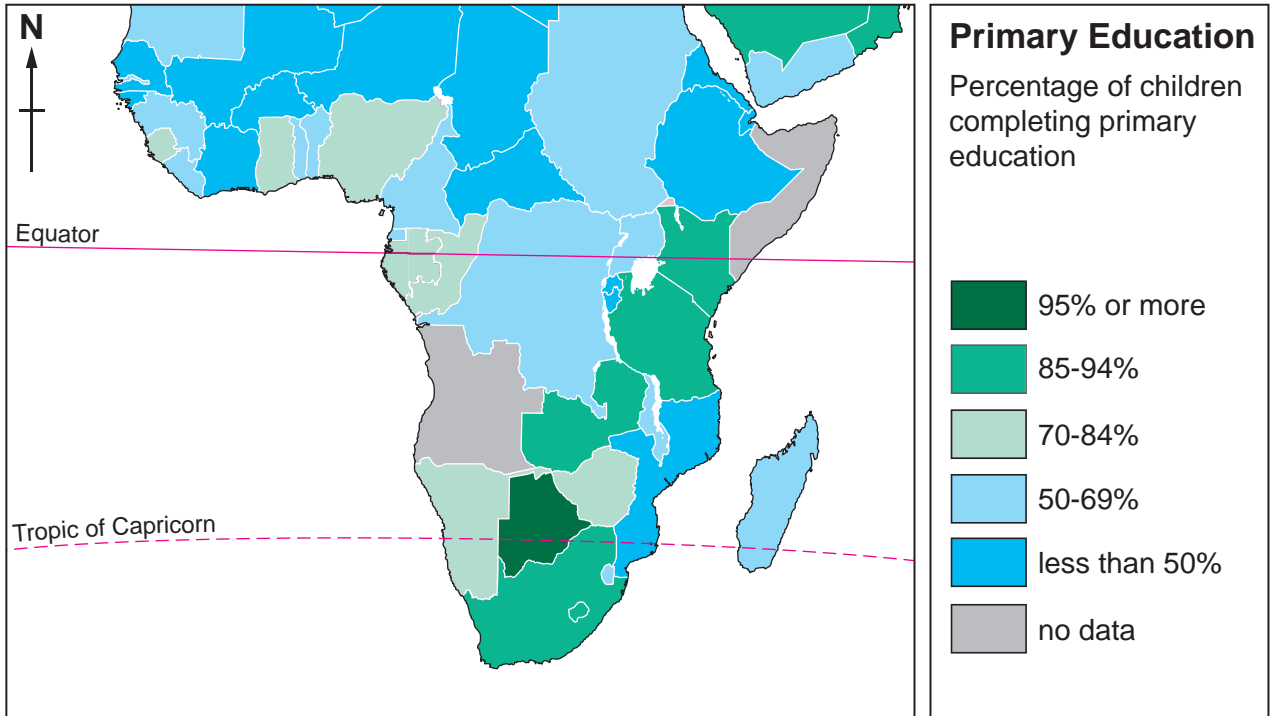
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(b) Study the map below.

**Percentage of Children Completing Primary Education in sub-Saharan Africa**



(i) Describe the distribution of countries where less than 50% of children complete primary education. [2]

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(ii) Suggest why it is important that countries in sub-Saharan Africa improve the education of **girls** in particular. [3]

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(c) **Oxfam is an example of a Non-Governmental Organisation (NGO) which provides aid to countries in need of help.**

Explain how NGOs can help LEDCs achieve one or more of the Millennium Development Goals.

Use one or more examples to illustrate your answer. [6]

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