INTERNATIONAL BACCALAUREATE
BACCALAURÉAT INTERNATIONAL
BACHILLERATO INTERNACIONAL

GEOGRAPHY
HIGHER AND STANDARD LEVEL
PAPER 1
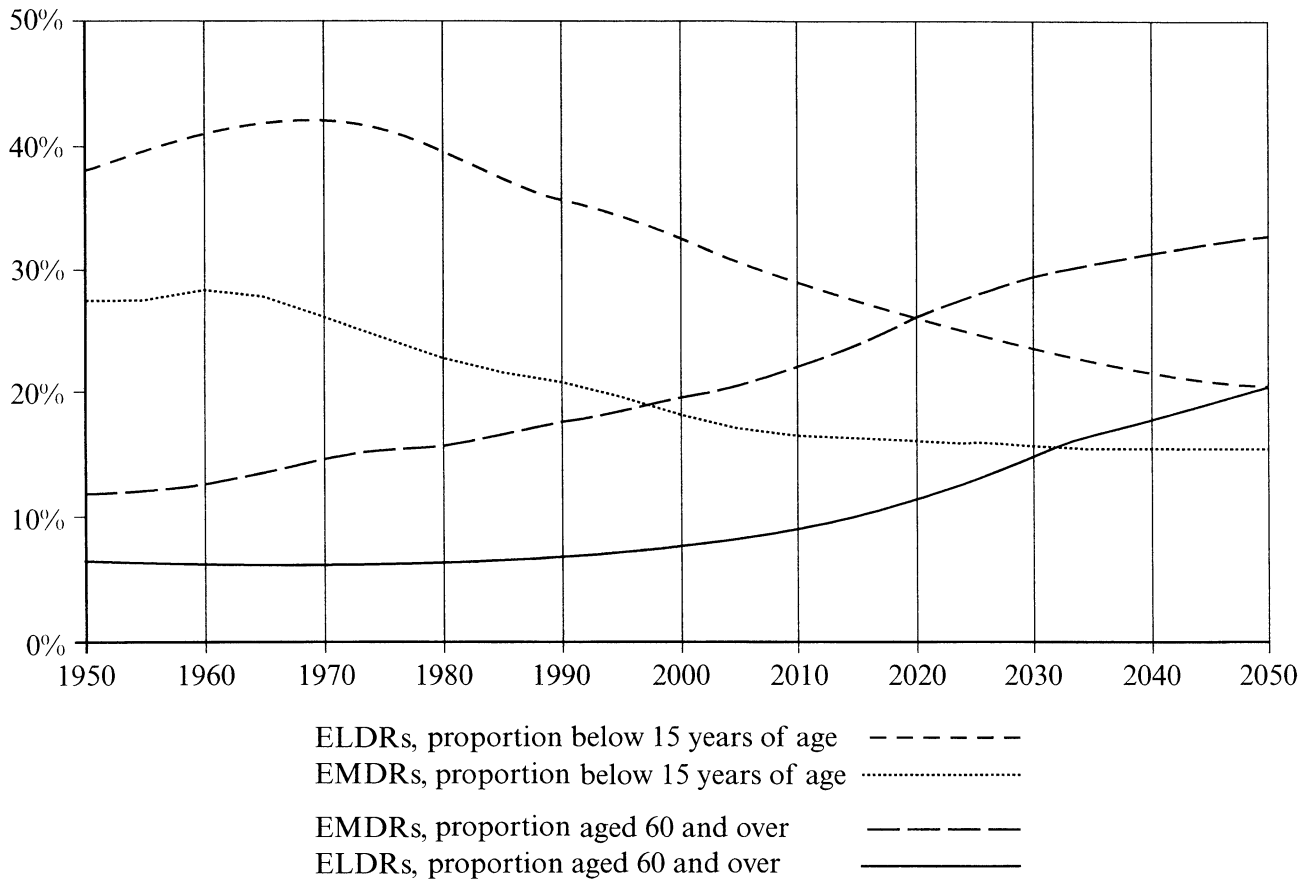
Monday 6 November 2000 (afternoon)

1 hour

Name

Number

INSTRUCTIONS TO CANDIDATES

* Write your candidate name and number in the boxes above.
* Do not open this examination paper until instructed to do so.
* Answer all the questions in the spaces provided.

EXAMINER	TEAM LEADER	IBCA
TOTAL /40	TOTAL /40	TOTAL /40

1. The diagram below shows the proportion of total population (i) aged 0–14 and (ii) 60 and over in Economically More Developed Regions (EMDRs) and Economically Less Developed Regions (ELDRs) between 1950–2050.

ELDRs, proportion below 15 years of age   – – – – – –

EMDRs, proportion below 15 years of age   ·····················

EMDRs, proportion aged 60 and over   — — — —

ELDRs, proportion aged 60 and over   ————————

Source: Adapted from United Nations Population Division, World Population Prospects:
The 1998 Revision, forthcoming.

Using the information in the diagram:

(a) Describe the **main** changes in the proportion of younger and older people in ELDRs and EMDRs for the period 1950–2050. *[3 marks]*

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(Question 1 continued)

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(b) In what year does the proportion of older persons equal the proportion of younger persons in EMDRs?   *[1 mark]*

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(c) Explain how the diagram illustrates the **demographic transition model**.   *[4 marks]*

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2. The table below shows fuel consumption in an Economically Less Developed Country (ELDC).
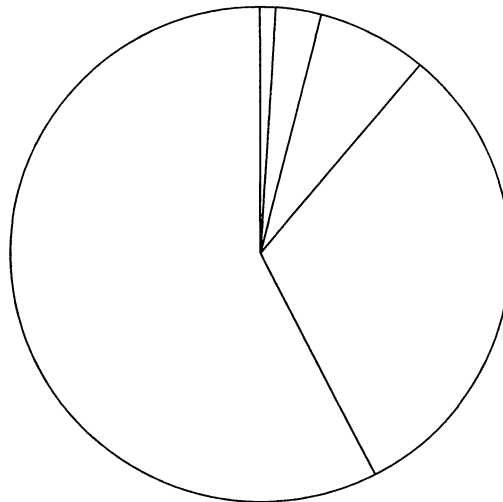
Fuel Consumption (million tonnes of oil equivalent and percentage) (1996)					
Total	Oil	Natural gas	Coal	Nuclear electricity	Hydro electricity
212.4	67.6	15.7	121.8	1.3	6.0
100.0%	32.0%	7.4%	57.2%	0.6%	2.8%

Note: Only commercially traded fuels are included.   Source: Adapted from BP World Review.

(a) Using the information in the table complete the pie-chart below to show this fuel consumption. *[3 marks]*

880-026

(Question 2 continued)

(b) Explain how the angle of the segment for oil on the pie chart was calculated from the figure given in the table.

[1 mark]

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(c) Explain how fuel consumption in an Economically More Developed Country (EMDC) would be different to that shown in the table for an ELDC.

[3 marks]

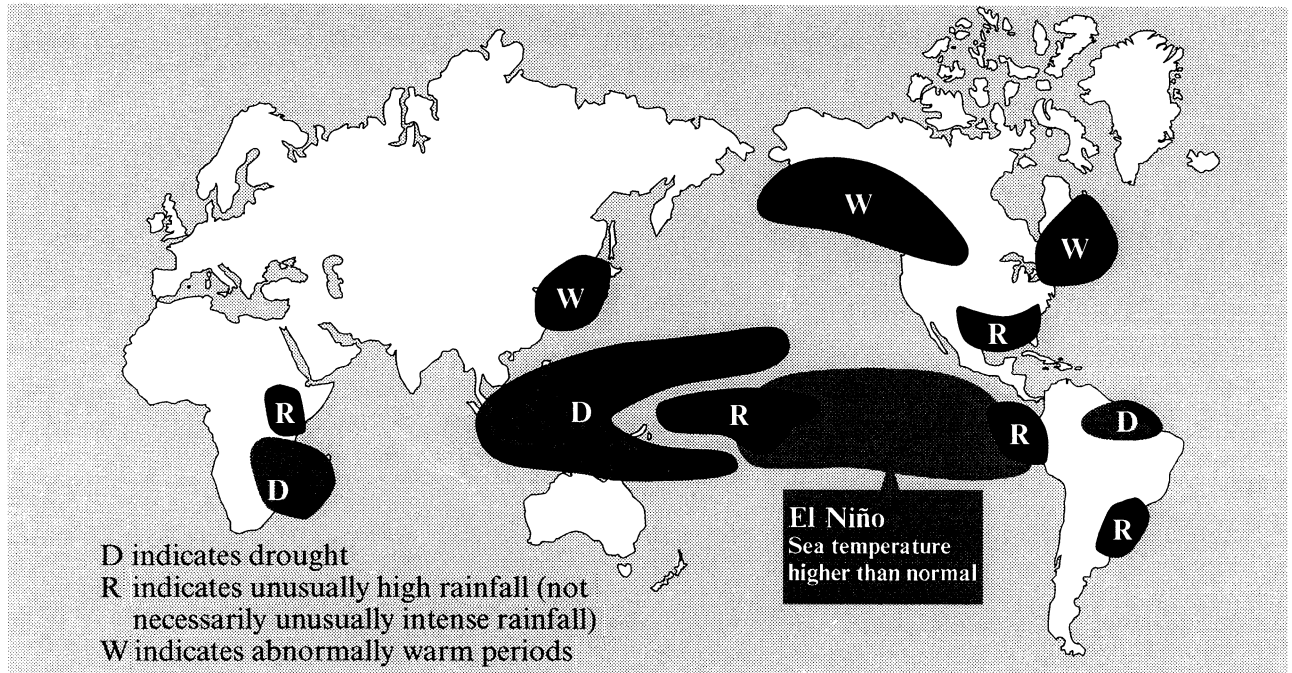...

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(d) Name a **fuel** commonly used in ELDCs that is not shown in the table.

[1 mark]

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3. The map shows climatic impacts of El Niño events, between October and March.

D indicates drought
R indicates unusually high rainfall (not necessarily unusually intense rainfall)
W indicates abnormally warm periods

El Niño
Sea temperature higher than normal

Source: FAD Factfile

(a) Refer to the map and select **two** of the three impacts shown in the key. For each impact, name a specific place (at least a country or a region) where it occurs.

For each place, describe a loss or benefit that each place has experienced as a result of El Niño. *[2 marks]*

(i) Place ....

Loss or benefit due to El Niño

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(ii) Place ....

Loss or benefit due to El Niño

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(Question 3 continued)

(b) Explain why people live in hazardous environments, continually putting themselves at risk. *[3 marks]*

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(c) Explain why some people in hazardous environments are more **vulnerable** to risk than others. *[3 marks]*

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4. The table shows World Cereal Production imports and consumption in Economically Less Developed Countries (ELDCs) and Economically More Developed Countries (EMDCs).

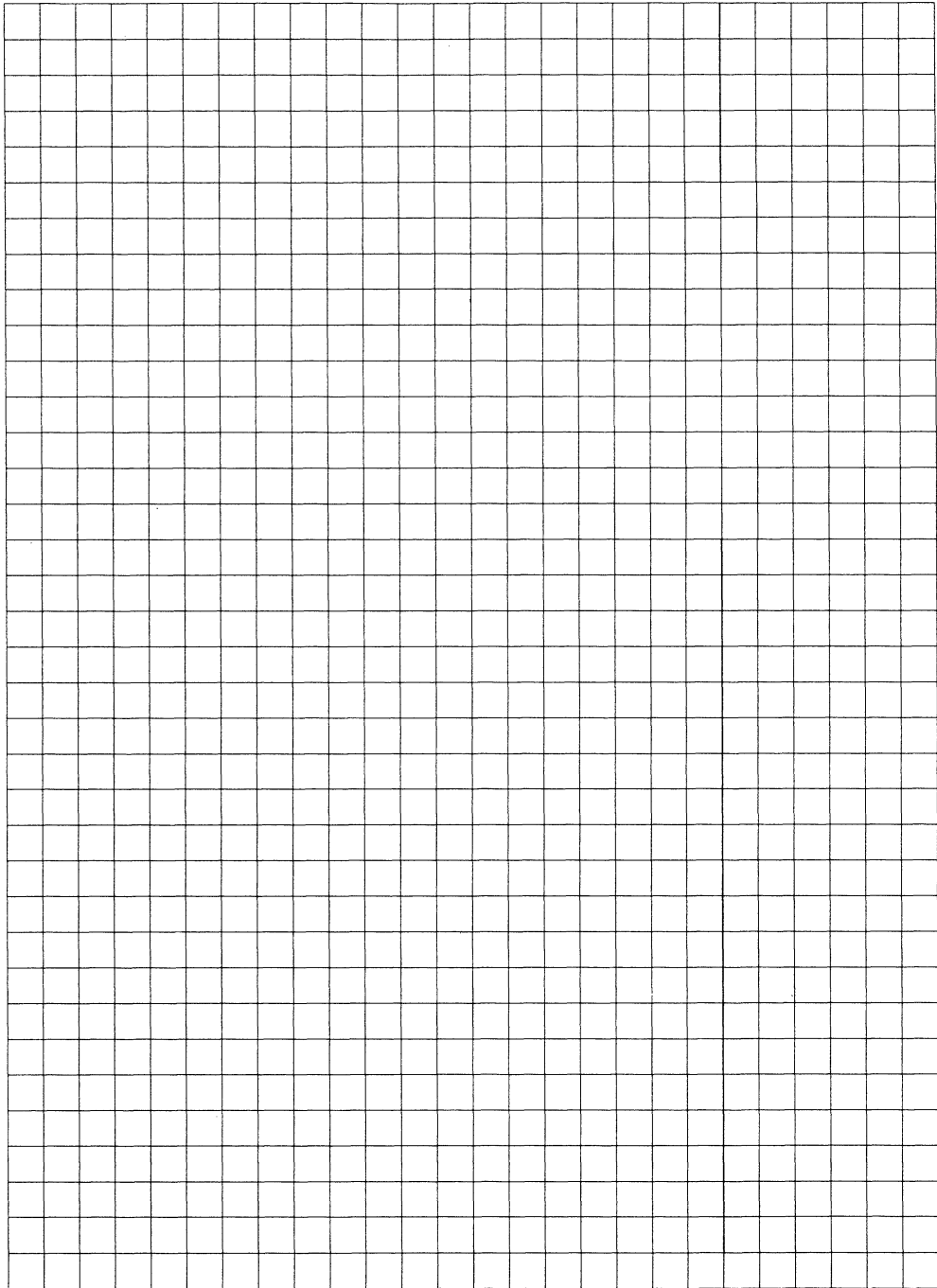| World Cereal Production and Consumption					
	1992–93	93–94	94–95	95–96	96–97 forecast
World production (million tonnes) (a) ELDCs (b) EMDCs	917 882	932 797	932 851	957 769	1003 870
World imports (million tonnes) (a) ELDCs (b) EMDCs	129 82	130 66	145 56	152 55	136 53
Per person use for food (a) ELDCs (b) EMDCs	171 130	171 130	171 129	171 129	172 129

Source: UN. FAO/GIEWS, March–April 1997

(a) Using the data in the table, on the grid opposite, construct **compound bar graphs** to show the production, importation and per person food use or consumption of cereals in ELDCs and EMDCs for the years 1992-93 and 1996-97.   *[5 marks]*

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(Question 4 continued)

Turn over

(Question 5 continued)

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