Name ……...……...

School ……...……..

WINCHESTER
COLLEGE

Entrance Examination
Geography—2023

Total time allowed: 1 hour + 10 minutes reading time at the start

Candidates answer on the Question Paper.
Write in dark blue or black pen.
Additional materials: Calculator, Ruler, Protractor, HB pencil.

SECTION A (UK and Global Location knowledge)
Candidates should answer all questions in this section (15 marks)

SECTION B (Physical Thematic studies)
SECTION C (Human Thematic studies)
Candidates should answer one question from EITHER section B or C (20 marks)

SECTION D (Fieldwork skills)
Candidates should answer all questions in this section (20 marks)

SECTION A
UK AND GLOBAL KNOWLEDGE

Answer ALL the questions in this section.

1) Shade and name the following countries on the world map on **page 3**:

(a) Ethiopia (b) Saudi Arabia (c) Papua New Guinea (3)

2) Label the Prime Meridian on the world map. (1)

3) Label the Rockies on the world map. (1)

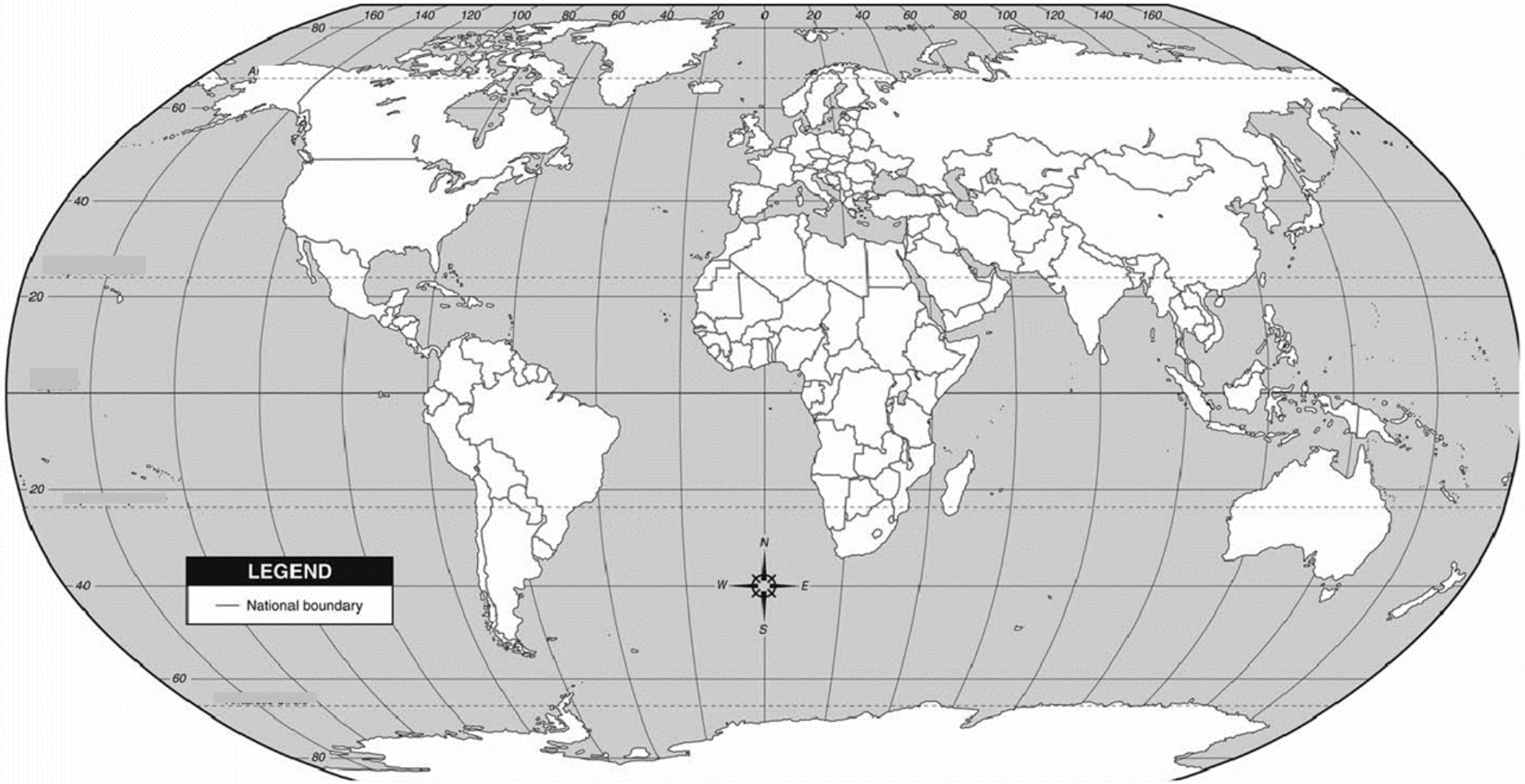
4) Locate and label the following cities on the world map: Buenos Aires and Ottawa. (2)

5) Look at the map of the UK on **page 4**.

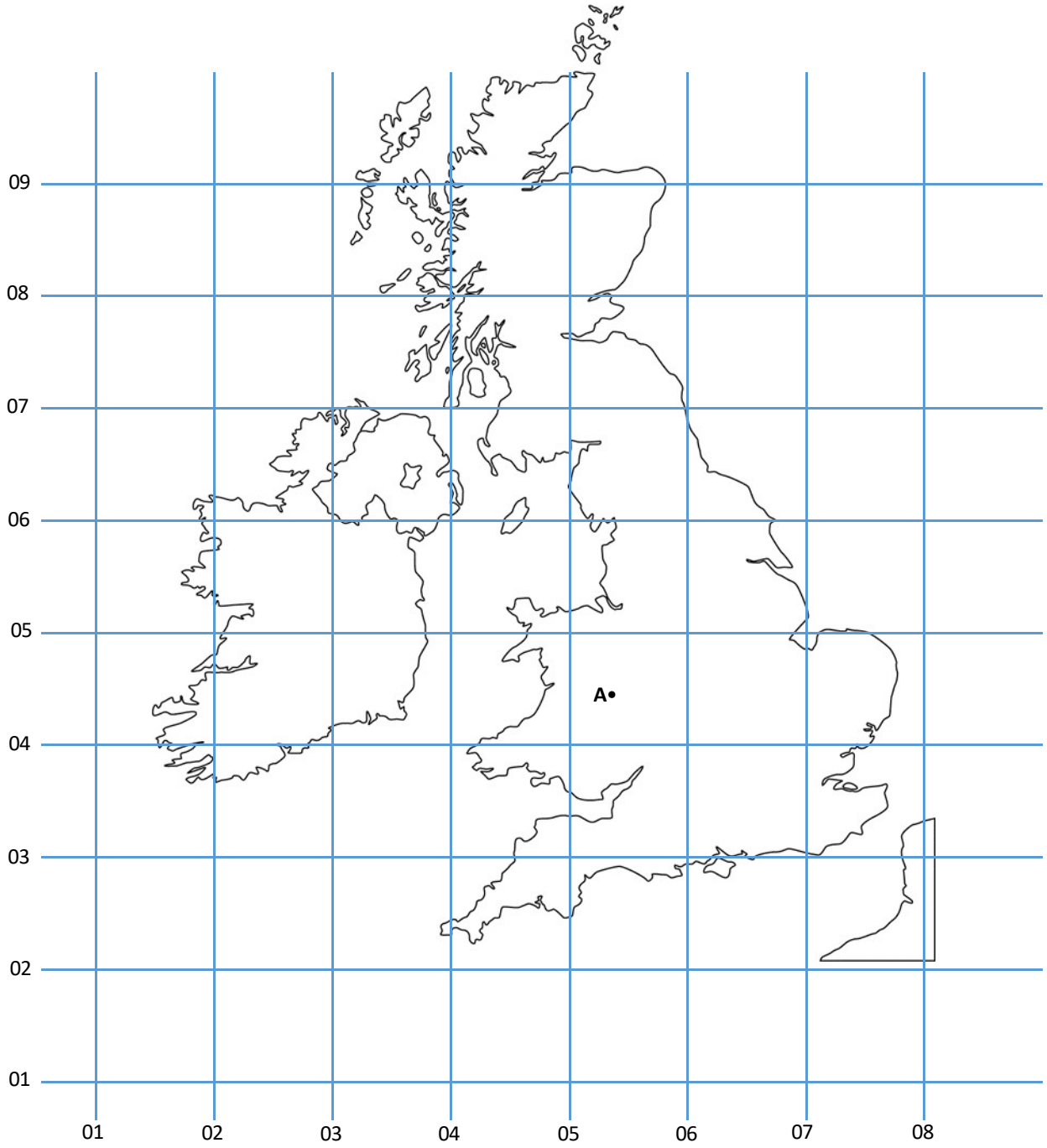
(a) Locate and label Aberdeen, Belfast and Plymouth on the map. (3)
(b) Locate and label the Grampians. (1)
(c) Locate and label the Isle of Man. (1)
(d) Locate and label the Shannon. (1)
(e) What upland catchment is A located in? (1)
(f) Provide the 6 figure grid reference for A (1)

(Total = 15 Marks)

WORLD MAP



MAP OF THE UK



Answers to:

5)

b) …….

c) …….

d) …….

e) …….

f) …….

SECTION B

Answer one question from EITHER section B or C

QUESTION 1: COASTS

Fig. 1: a photograph of the UK coastline

a) On Fig. 1.

- Mark a stack
- Mark a stump
- Mark the wave cut platform [3]

b) Name one other feature you might expect to find on this coastline

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…… [1]

c) Explain how the processes of erosion have formed the cave

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…… [3]

d) Explain why bays and headlands may have developed in this area

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… ..... [4]

e) Describe how **two** different depositional coastal features are created

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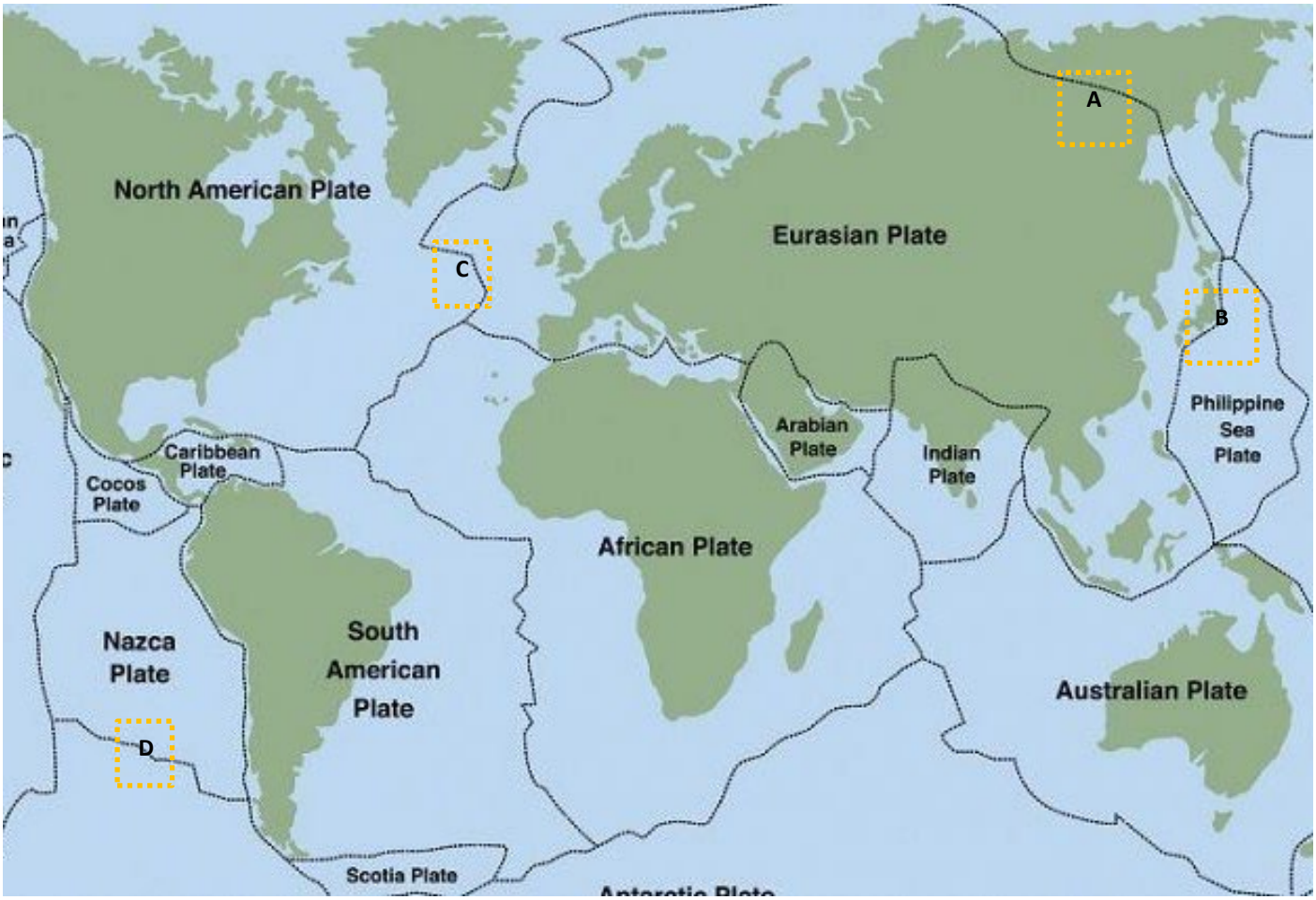
QUESTION 2: TECTONIC PROCESSES

Fig. 2: A map of tectonic plates



a) Name the type of plate boundaries A, B, C and D shown in Fig 2.

A ……

B ……

C ……

D.....[4]

b) Explain why tectonic plates move

……..

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……..…..… [3]

c) Choose one of the locations labelled in Fig 2 where volcanic activity may be occurring. For that location, explain why a volcano has formed there.

Location: …..

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……..……..…… [4]

d) Describe how response to tectonic hazards has varied between two named countries with differing levels of income.

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SECTION C

Answer one question from EITHER section B or C.

QUESTION 3: TRANSPORT AND SETTLEMENT

Fig. 3: A street in Toronto

By DXR - Own work, CC BY-SA 4.0, https://commons.wikimedia.org/w/index.php?curid=58381036

a) Describe the transport provision shown in Fig 3

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…… [4]

b) Explain how this street could be improved to better promote walking and cycling

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…… [4]

c) Explain why the range of services shown in Fig. 3 might be greater than in smaller settlements

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…… [5]

d) Using a named example, describe how an urban development project has been designed and managed in an environmentally sensitive way.

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<u>QUESTION 4:</u> POPULATION AND MIGRATION

Fig. 4**:** Dholak Basti area in Haldwani, Uttarakhand. The settlement comprises of migrants from remote hills and rural parts of Indian state of Uttar Pradesh (credit— Prateek Sengupta)

Give two examples of the types of jobs low paid migrants might do in India:

a) ……..

b) ..... [2]

c) Explain why rural to urban migration may occur within a country

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……..…… [4]

d) Define ‘natural increase’

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…… [3]

e) Explain why countries typically experience rapid population growth as they develop

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…… [4]

f) Using named examples, **contrast** and **explain** the population densities of two different locations.

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SECTION D

Answer all questions in this section.

QUESTION 5

A group of pupils went to do fieldwork in Whitehaven, Cumbria, where a new coal mine may be opening.

They decided to test the following hypothesis: Hypothesis 1 - Employment is more important to residents than other benefits involved in the mine opening.

a) To investigate the hypothesis they used a questionnaire. They received 121 responses from the 23,986 residents. Is 121 responses an appropriate sample size? Explain your answer

YES/NO

...…….

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...……..…

…..... [3]

b) What would be an appropriate sampling methodology for gathering responses?

Describe your approach:

...…….

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...……..…

…..... [3]

Explain your approach:

...…….

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...……..…

…..... [4]

Table 5 shows the results of the pupils' questionnaire.

Benefit	Answers
Employment	38
New school	22
Improved roads	17
Leisure facilities	35
Boost to local shops	9

Table 5

d) What conclusion did the pupils make to Hypothesis 1? Support your answer with data.

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……..…… [5]

d) Whilst undertaking the questionnaire the pupils had a number of conversations with residents about other issues related to the mine (climate concerns, noise pollution, visual pollution etc.) that had not been in the questionnaire. How might these qualitative observations best be included in their study?

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……..…… [5]

(Total = 20 marks)

ADDITIONAL PAGES

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ADDITIONAL PAGES

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