



National
Qualifications
2018

X733/76/11

Geography

TUESDAY, 1 MAY
9:00 AM – 11:15 AM

Total marks — 60

SECTION 1 — PHYSICAL ENVIRONMENTS — 15 marks

Attempt ALL questions.

SECTION 2 — HUMAN ENVIRONMENTS — 15 marks

Attempt ALL questions.

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt TWO questions.

SECTION 4 — APPLICATION OF GEOGRAPHICAL SKILLS — 10 marks

Attempt the question.

Credit will be given for appropriately labelled sketch maps and diagrams.

Write your answers clearly in the answer booklet provided. In the answer booklet you must clearly identify the question number you are attempting.

Use **blue** or **black** ink.

Before leaving the examination room you must give your answer booklet to the Invigilator; if you do not, you may lose all the marks for this paper.



* X 7 3 3 7 6 1 1 *

SECTION 1 — PHYSICAL ENVIRONMENTS — 15 marks

Attempt ALL questions

Question 1

'A drainage basin is an open system with four elements – *inputs, storage, transfers and outputs.*'

Discuss the movement of water within a drainage basin.

4

Question 2

Explain the various stages and processes involved in the formation of:

- (i) one of the features of coastal erosion and,
- (ii) one of the features of coastal deposition listed below.

7

You may wish to use diagrams.

Features of coastal erosion

Headland and bay

Wave-cut platform

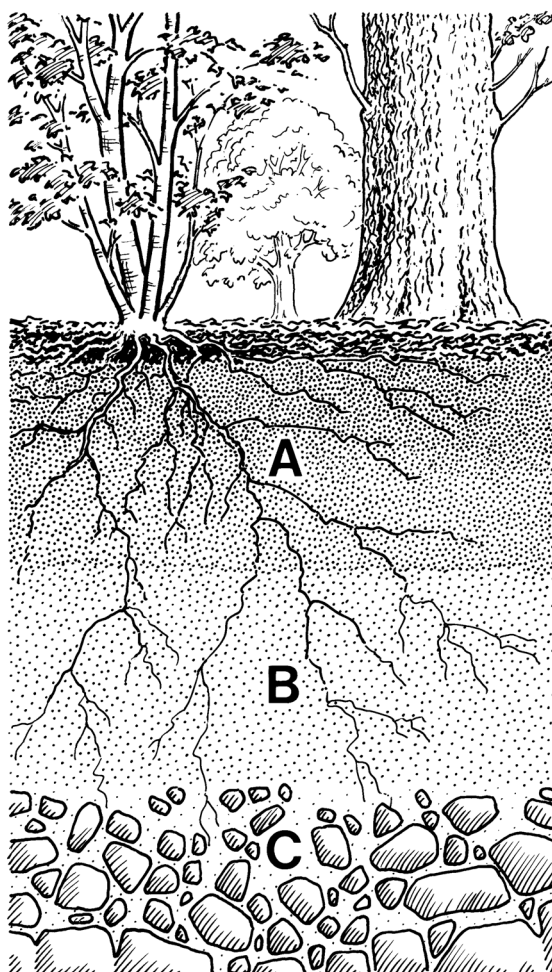
Features of coastal deposition

Sand bar

Tombolo

Question 3

Diagram Q3: A typical brown earth soil profile



Study Diagram Q3.

Explain the main conditions and processes involved in the formation of a brown earth soil.

4

[Turn over

SECTION 2 — HUMAN ENVIRONMENTS — 15 marks

Attempt ALL questions

Question 4

Diagram Q4: Photograph of Kibera shanty town, Nairobi



Look at Diagram Q4.

Evaluate the effectiveness of strategies used to improve housing in Kibera or any other developing world city you have studied.

5

Question 5

Explain why it is difficult to gather accurate population data in developing world countries.

6

Question 6

Explain the strategies used to manage rural land degradation in a rainforest or semi-arid area that you have studied.

4

[Turn over

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt TWO questions

Question 7	River basin management	page 07
Question 8	Development and health	page 08
Question 9	Global climate change	page 09
Question 10	Trade, aid and geopolitics	page 10
Question 11	Energy	page 11

Question 7: River basin management

- (a) **Explain** the human factors which need to be considered when selecting a site for a major dam and its associated reservoir. 4
- (b) Referring to a named water control project you have studied, **discuss** the socio-economic **and** environmental **benefits** created by the construction of a major dam and its associated reservoir. 6

[Turn over

Question 8: Development and health

- (a) **Suggest reasons** for the wide variations in development which exist between developing countries. You may wish to refer to countries that you have studied. **5**
- (b) Referring to specific examples of primary health care strategies that you have studied, **evaluate** their effectiveness in meeting the needs of people in **developing** countries. **5**

Question 9: Global climate change

(a) **Discuss** a range of possible impacts of global climate change. **5**

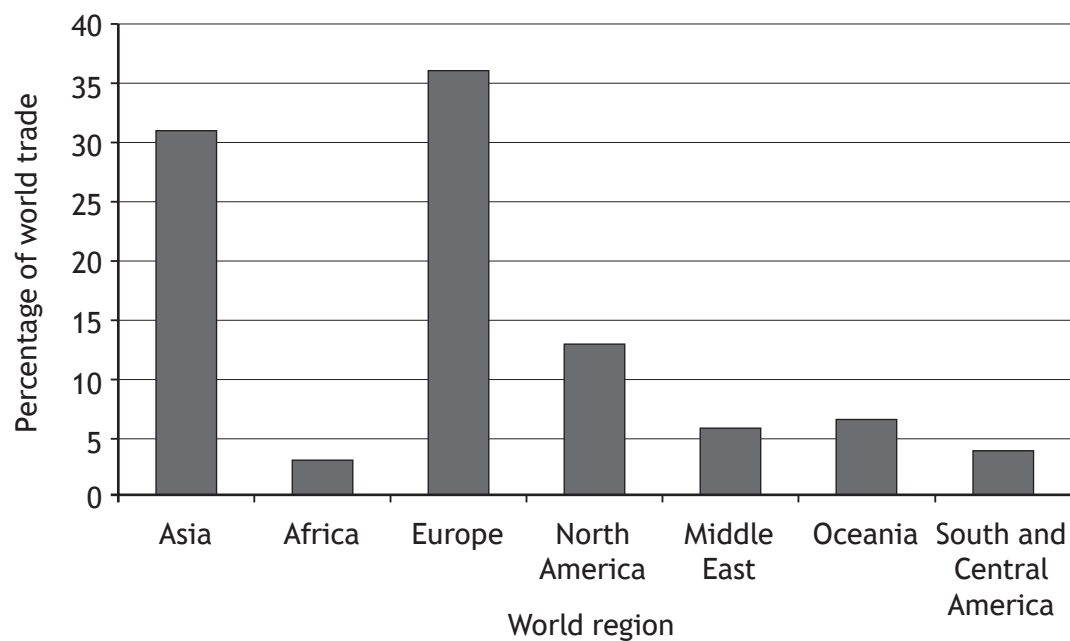
(b) Attempts are being made to both reduce greenhouse gasses and deal with the effects of climate change.

Explain possible strategies for managing climate change. **5**

[Turn over

Question 10: Trade, aid and geopolitics

Diagram Q10: Value of world trade by region (%)

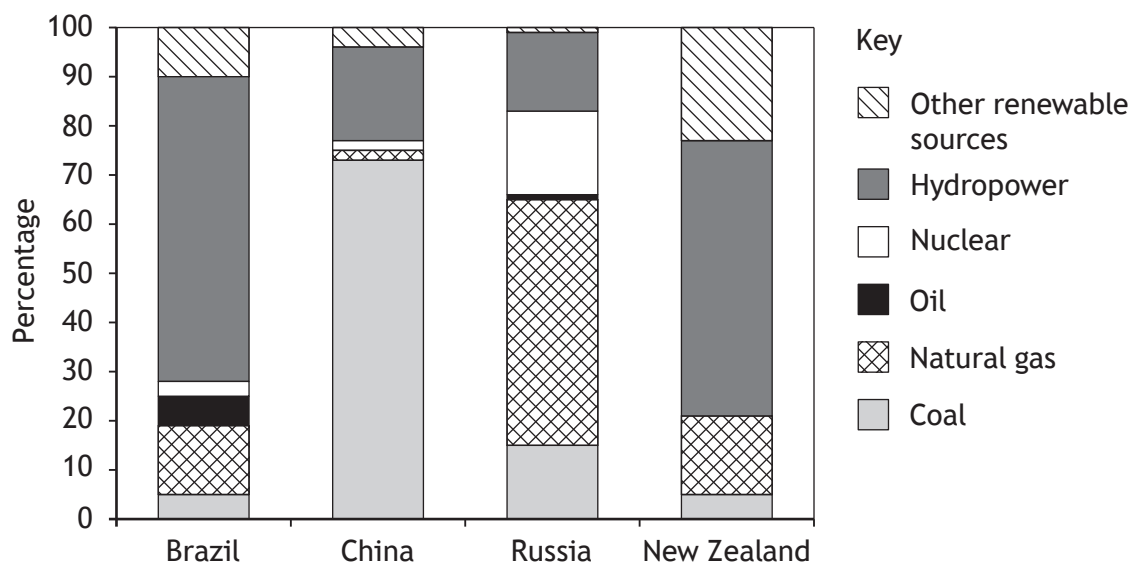


Study Diagram Q10.

- (a) **Suggest** reasons for the differences in trade shown in the graph. 4
- (b) **Explain** the socio-economic and environmental impacts of unfair trade on the developing world. 6

Question 11: Energy

Diagram Q11: Sources of energy production for selected countries



Look at Diagram Q11.

- (a) **Suggest reasons** for the different methods of energy production around the world. You may wish to refer to countries you have studied. 5
- (b) **Discuss the advantages and disadvantages** of any **non-renewable** source of energy you have studied, in meeting the energy demands of a named country. 5

[Turn over

Attempt the question

Question 12

The UK Government has given the go ahead for a second high-speed railway service, known as HS2. Phase 1 between London and Birmingham is due for completion in 2026, however not everyone is pleased with this decision.

Study the Ordnance Survey map extract of the Birmingham area; Diagram Q12a; Diagram Q12b; Diagram Q12c; and Diagram Q12d before answering this question.

Referring to evidence from the OS map extract, and other information from the sources, **discuss:**

- the advantages **and** disadvantages of the proposed route of the HS2 line; and
- any possible impacts on the surrounding area.

10

Diagram Q12a: Route of high speed railway lines in England (current and proposed)

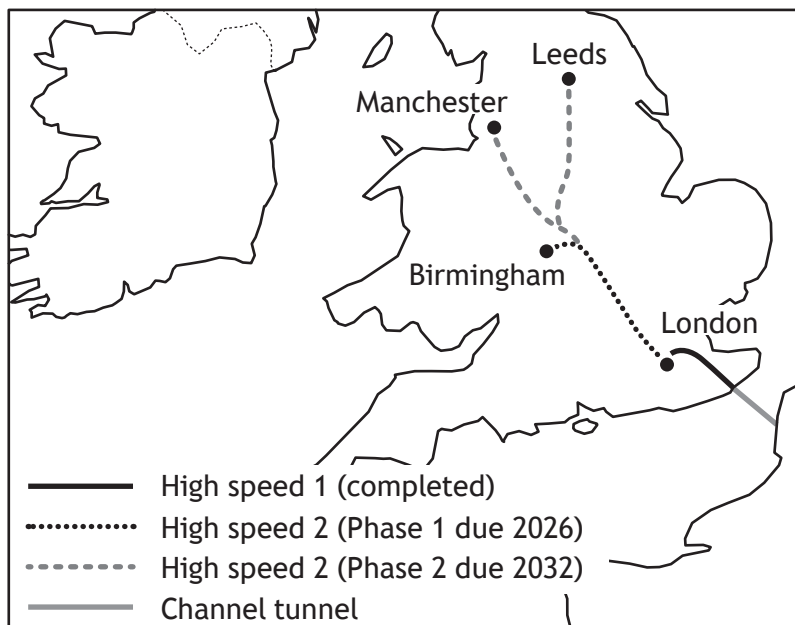


Diagram Q12b: Statement on HS2

HS2 will help accelerate the region's economic growth, for example, the global bank HSBC is building its new headquarters in Birmingham city centre, and global construction company Interserve is consolidating its operations at a new regional head office next to Birmingham International Airport. A spokesperson said:

"By 2026 Birmingham Airport will be the UK's only HS2 connected airport."

Diagram Q12c: Route map of HS2 rail line Phase 1

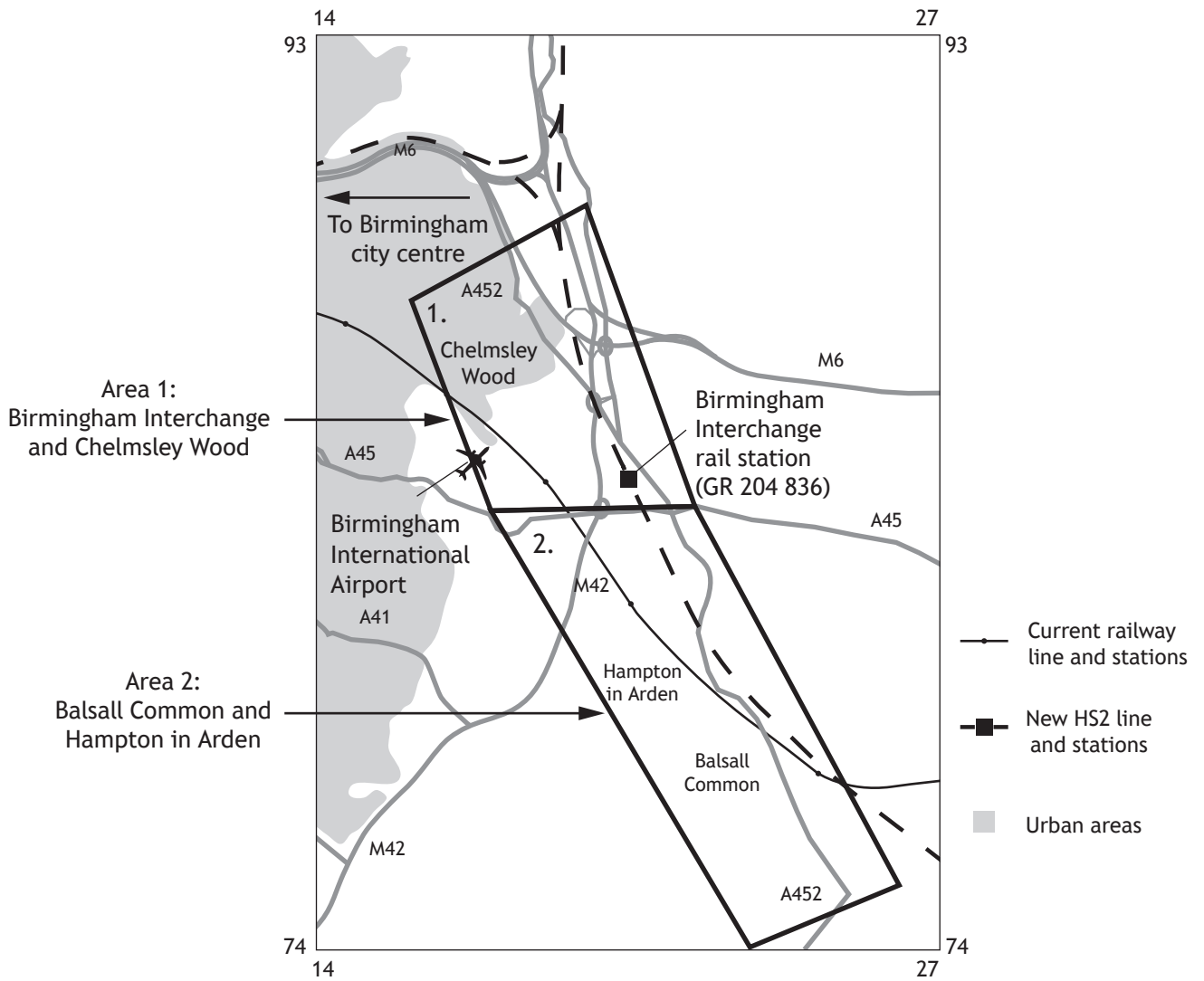
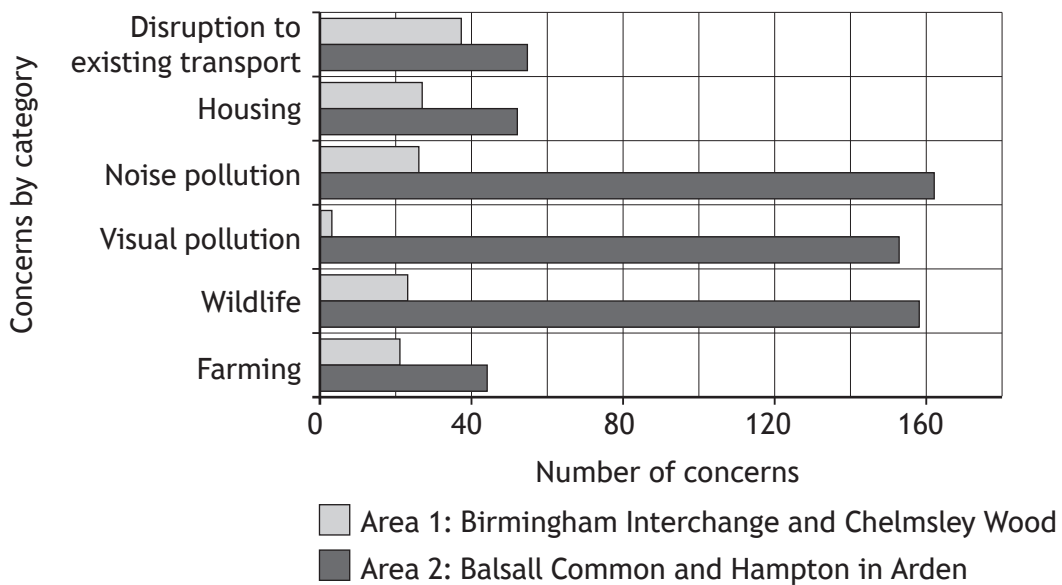


Diagram Q12d: Concerns raised by local residents in two areas



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ACKNOWLEDGEMENTS

Diagram Q4 Authentic travel/Shutterstock.com