



National
Qualifications
2017

X733/76/11

Geography

FRIDAY, 26 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.

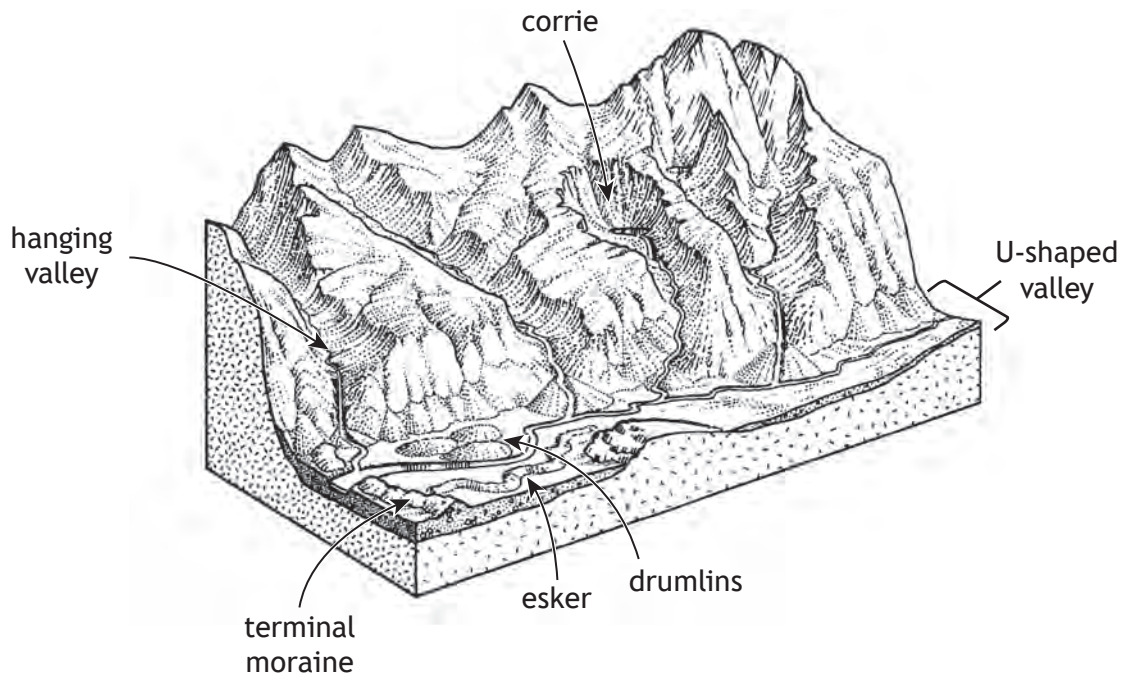


SECTION 1 — PHYSICAL ENVIRONMENTS — 15 marks

Attempt ALL questions

Question 1

Diagram Q1: Glaciated Landscape



Study Diagram Q1.

Explain the formation of **one** erosional landform **and** **one** depositional landform from Diagram Q1.

7

You may wish to use an annotated diagram or diagrams.

Question 2

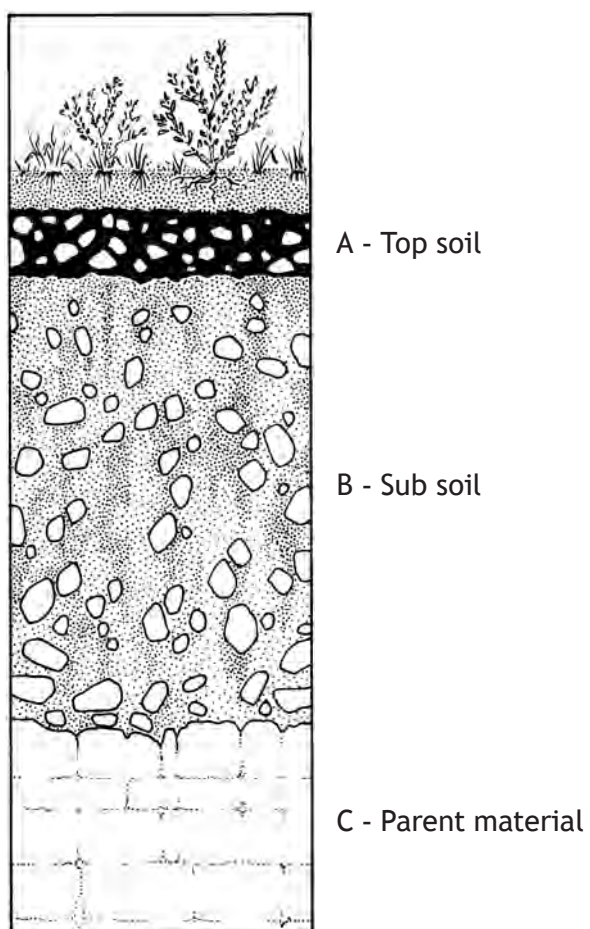
Explain why there is a surplus of solar energy in the tropical latitudes and a deficit of solar energy towards the poles.

4

You may wish to use an annotated diagram or diagrams.

Question 3

Diagram Q3: A typical gley soil profile



Look at Diagram Q3

Explain the main conditions and processes which have led to the formation of a **gley** soil.

4

[Turn over

SECTION 2 — HUMAN ENVIRONMENTS — 15 marks

Attempt ALL questions

Question 4

With reference to a migration flow you have studied:

- (a) **explain** the push **and** pull factors for this migration; **and** 4
- (b) **discuss** the impacts of this migration on **either** the donor **or** the receiving country. 3

Question 5

Referring to **either** a named rainforest **or** a semi-arid area you have studied, **discuss** the impacts of land degradation on the area.

4

Question 6

Evaluate the effectiveness of the strategies used to manage traffic in a developed world city you have studied.

4

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt TWO questions

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Question 8	Development and Health	Page 7
Question 9	Global Climate Change	Page 8
Question 10	Trade, Aid and Geopolitics	Page 9
Question 11	Energy	Page 10

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Question 7: River Basin Management

- (a) **Explain** the physical factors that need to be considered when selecting a site for a dam and its associated reservoir. 4
- (b) **Discuss** the adverse socio-economic **and** environmental consequences of a named river management project that you have studied. 6

Question 8: Development and Health

“Of the 106 countries with ongoing malaria transmission in 2000, 57 achieved reductions in new malaria cases of at least 75% by 2015. Eighteen countries reduced their malaria cases by 50-75%.”

World Health Organisation - World Malaria Report 2015.

For a water-related disease you have studied:

- (a) **explain** the strategies used to manage the disease; **and**
- (b) **comment** on the effectiveness of these strategies.

10

[Turn over

Question 9: Global Climate Change

“The impacts of global warming are likely to be ‘severe and irreversible’, a major report by the UN has warned.”

BBC News

- (a) **Discuss** a range of possible impacts of climate change. You should support your answer with specific examples. **6**
- (b) Many strategies have been implemented to both reduce greenhouse gas emissions and to manage the effects of climate change.

With reference to strategies you have studied, **comment on** their effectiveness

4

Question 10: Trade, Aid and Geopolitics

Look at Table Q10.

Table Q10: World Trade Statistics 2014

Area	Share of exports (%)	Value of Exports (\$ million)
Developed Countries	57	10,362,324
Developing Countries	40	7,272,568
Least Developed Countries	3	291,763

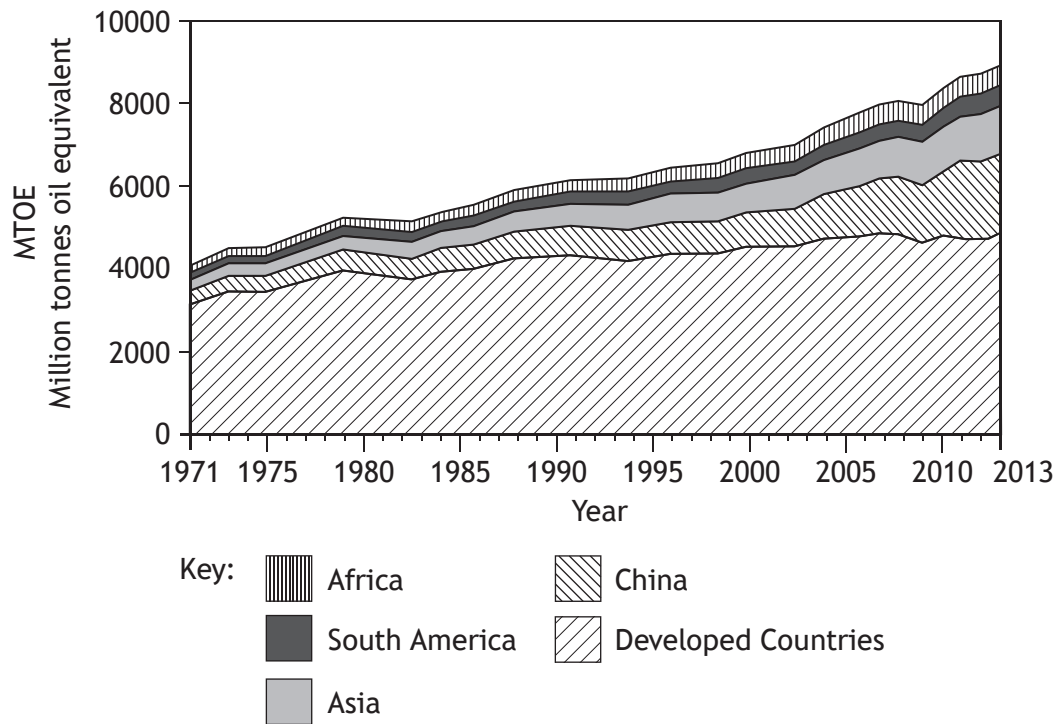
- (a) **Discuss** the social and economic impacts of trade inequalities on the world's poorest countries. 4
- (b) **Explain** the advantages and disadvantages of trading alliances. You should support your answer with specific examples. 6

[Turn over

Question 11: Energy

Look at Diagram Q11a.

Diagram Q11a: World energy consumption 1971–2013

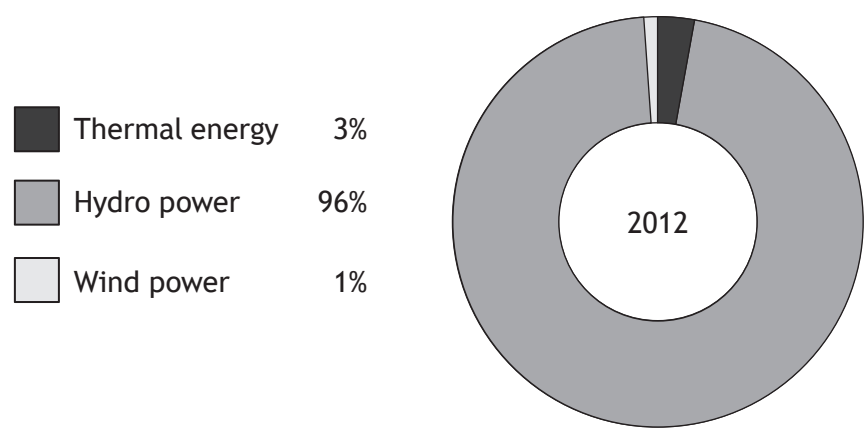


(a) Suggest reasons for the increasing energy demand in Developing Countries.

5

Look at Diagram Q11b.

Diagram Q11b: Norway: Source of Electrical Generation 2012



(b) Discuss the effectiveness of Hydro Electric Power (HEP), or any other renewable source of energy you have studied, in meeting energy demands. You may wish to refer to one or more countries in your answer.

5

[Turn over for next question

DO NOT WRITE ON THIS PAGE

Attempt the question

Question 12

Planning permission has been granted to create 300 new homes to the south of Highbridge, which is a small town in the district of Sedgemoor. The development will include a new primary school for 210 pupils, outdoor play facilities and public spaces. The site will also provide opportunities for new walkways and a cycle route into Highbridge.

Study the OS Map (Extract No 2249/182) Diagram Q12A, Diagram Q12B, Diagram Q12C and Diagram Q12D before answering this question.

Referring to evidence from the OS Map extract and information from the other sources:

- (a) **discuss** the suitability of the site, shown on Diagram Q12A for the proposed housing development; and
- (b) **suggest** any social, economic or environmental impacts this development may have on the local area.

10

Diagram Q12A: Proposed site for New Housing Development in Highbridge, Sedgemoor District

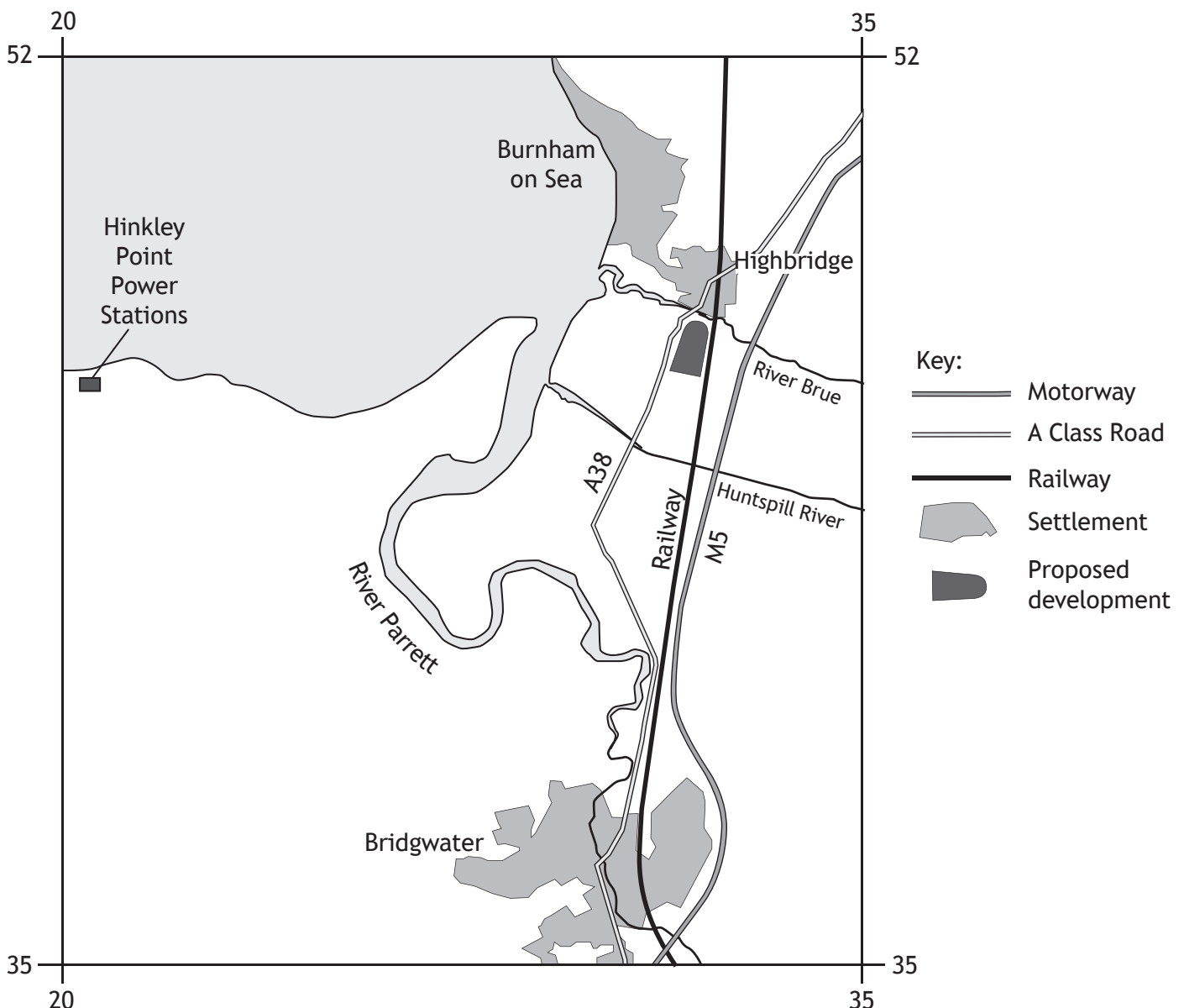


Diagram Q12B: Location of Highbridge

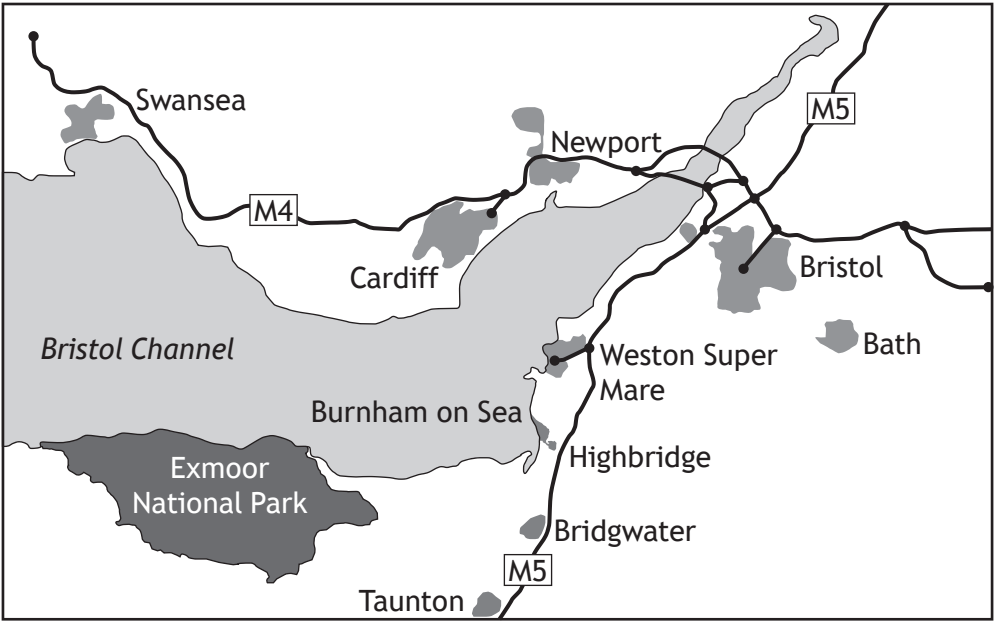


Diagram Q12C: Population of Sedgemoor District

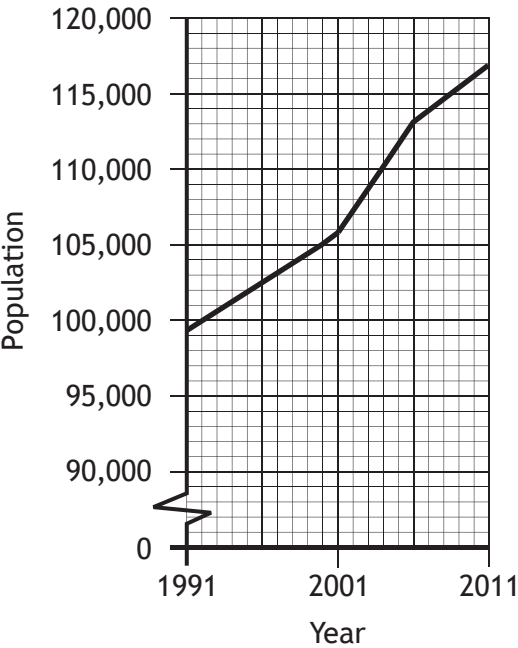
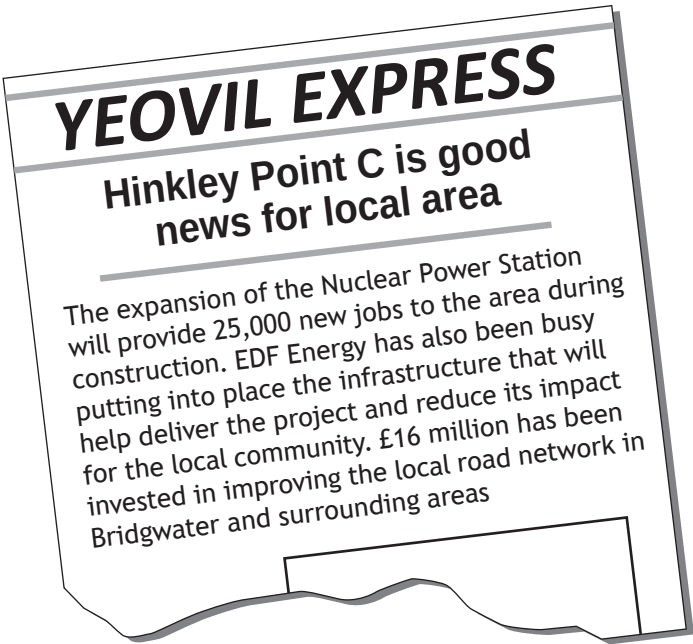


Diagram Q12D: News Article from Yeovil Express, October 2015



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