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.
Question 1

Study Diagram Q1.

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

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.

You may wish to use an annotated diagram or diagrams.
Question 3

Diagram Q3: A typical gley soil profile

A - Top soil

B - Sub soil

C - Parent material

Look at Diagram Q3

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

4
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  

(b) discuss the impacts of this migration on either the donor or the receiving country.

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.

Question 6

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

(b) **Discuss** the adverse socio-economic and environmental consequences of a named river management project that you have studied.
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%.”


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.
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.

(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
Question 10: Trade, Aid and Geopolitics

Look at Table Q10.

Table Q10: World Trade Statistics 2014

<table>
<thead>
<tr>
<th>Area</th>
<th>Share of exports (%)</th>
<th>Value of Exports ($ million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developed Countries</td>
<td>57</td>
<td>10,362,324</td>
</tr>
<tr>
<td>Developing Countries</td>
<td>40</td>
<td>7,272,568</td>
</tr>
<tr>
<td>Least Developed Countries</td>
<td>3</td>
<td>291,763</td>
</tr>
</tbody>
</table>

(a) Discuss the social and economic impacts of trade inequalities on the world’s poorest countries.

(b) Explain the advantages and disadvantages of trading alliances. You should support your answer with specific examples.
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.

Look at Diagram Q11b.


(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.
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.

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

**YEOVIL EXPRESS**

**Hinkley Point C is good news for local area**

The expansion of the Nuclear Power Station will provide 25,000 new jobs to the area during construction. EDF Energy has also been busy putting into place the infrastructure that will help deliver the project and reduce its impact for the local community. £16 million has been invested in improving the local road network in Bridgwater and surrounding areas.

[END OF QUESTION PAPER]
ACKNOWLEDGEMENTS


Question 9 – Quote is adapted from BBC News. Reproduced by kind permission of BBC News.

Diagram Q12D – Reference to Yeovil Express and article is adapted from www.yeovilexpress.co.uk/news/14744548.BREAKING_Hinkley_C_to_go_ahead_Government_confirms/. Reproduced by kind permission of Yeovil Express.
ORDNANCE SURVEY MAP
For Question 12

Note: The colours used in the printing of this map extract are indicated in the four little boxes at the top of the map extract. Each box should contain a colour; if any does not, the map is incomplete and should be returned to the Invigilator.