GCSE
4232/02
GEOGRAPHY
(Specification A)
HIGHER TIER
UNIT 2: Options Geography

P.M. WEDNESDAY, 8 June 2016
1 hour 15 minutes

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.
Write your name, centre number and candidate number in the spaces at the top of this page.
Answer one question from Section A, one from Section B and one other.
Answer no more than three questions.
Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the book, taking care to number the continuation correctly.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.
You are reminded that assessment will take into account the quality of written communication used in your answers that involve extended writing.
In addition, your ability to spell, punctuate and use grammar accurately will be assessed in your answer to the last sub-question of each theme.
Theme 7 – Our Changing Coastline

1. (a) Study the resources below which show the Holderness coastline in Yorkshire.

(i) Use this information to describe the erosion rates along this part of the coastline. [2]
(ii) Describe one advantage and one disadvantage of a named hard engineering strategy that could be used to manage this coastline.

Name of Strategy ............................................................................

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(b) Study the photograph below. It shows Durdle Door, a natural coastal arch on the South coast of England.

Describe how a natural arch such as Durdle Door is formed. You must draw an annotated diagram and refer to named processes in your answer. [6]
(c) Evidence shows that coastal environments may need to be managed differently in the future.

Describe how the coastline may be managed sustainably in the face of rising sea-levels. Use named examples to justify your answer.

Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.
2. (a) Study the satellite image below. It shows a depression which caused a severe storm over the UK on February 14th, 2014.

(i) Describe the location of the centre of the low pressure. [2]
(ii) Add information to the map below to explain why the UK experienced a severe storm on February 14th, 2014. Use information from the satellite image opposite.
(b) Describe how weather hazards affect people in the UK. Use examples of named places to support your answer.
(c) Describe how technology can be used to reduce impacts of extreme weather in different parts of the world.

*Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.*
3.  (a) Study the climate graph of a tundra biome.

(i) Describe the annual temperature pattern shown by the graph. [2]
(ii) Annotate the map below to explain why the tundra biome is located in this part of the world. Use information from the climate graph opposite to help your answer. [4]
(b) Describe different ways in which people use one named ecosystem. [6]

Name of ecosystem ............................................................................................................

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(c) Describe evidence that shows that one ecosystem is being used unsustainably. Use examples of named places to support your answer. 

Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.

End of Theme 9 question
Theme 10 – Tourism

4. (a) Study the OS map below of Cornwall in the SW of England. OS map at a scale of 1:50 000. A full key appears on page 28.

(i) Compare the relief in grid squares 3627 and 3524. [2]
(ii) Annotate the photograph below of Sennen Cove to explain the link between physical factors and different types of tourist activities. [4]

Sennen Cove which is in grid square 3526 of the OS map
(b) Read the information below about the type of holiday people in the UK are choosing.

Two in three families plan a summer staycation boosting UK tourism to £12 billion.
The number of people staying in the UK has risen to 65 per cent.
London and Edinburgh top the 'Staycation' list followed by Cornwall.
The survey by hotel chain Travelodge says the 2012 Olympics helped.

Daily Mail, May 2013

Use the information and your own knowledge to help explain recent changes in holidays taken by UK residents.

[6]
(c) Describe how the growth of tourism has impacted on the environment in two places at different levels of economic development. Use named places to support your answer.

Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.

End of Theme 10 question
5. (a) Study the map of Bristol. It shows the locations of major supermarkets.

(i) Describe the distribution of major supermarkets in Bristol. [2]
(ii) Annotate the image to show why this is a favourable site for a supermarket. [4]
(b) Read the information about UK Town and City Purple Flag status.

**Purple Flag**

Purple Flag is a scheme that recognises excellence in the management of town and city centres at night. Entertainment areas that achieve the standard will benefit from an improved night-time environment and a reputation that offers ‘a better night out’ to visitors. Many locations around the UK and Ireland are already involved.

Describe how changes made to city centres at night-time can have advantages for people and the economy. [6]
(c) Describe how changes in retailing are having an effect on people and the environment. [8+4]

Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.

End of Theme 11 question
6.  (a) Study the map below. It shows the number of sheep per hectare of grassland in Wales (2011).

   (i) Describe the distribution of areas in Wales where sheep density per hectare is at its highest. [2]
(ii) The OS map below shows an area of mid Wales. Annotate the map to explain why farming and forestry is located in this part of Wales. OS map at a scale of 1:50,000. A full key is printed on page 28.
(b) Study the information below. It shows current and proposed plans by the Welsh Government for the development of renewable energy over the next 20 years.

**Renewable energy production in Wales**

<table>
<thead>
<tr>
<th>Current</th>
<th>Proposed</th>
<th>Proposed (inc. Severn Barrage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroelectricity (HEP)</td>
<td>Waste</td>
<td>Wind</td>
</tr>
<tr>
<td>0%</td>
<td>0%</td>
<td>0%</td>
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<td>75%</td>
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<td>25%</td>
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</tbody>
</table>

Suggest why the Welsh Government is proposing the changes shown. [6]
(c) Explain what conflicts of opinion may arise as a result of these proposed changes by the Welsh Government. [8+4]

Marks for spelling, punctuation and the accurate use of grammar are allocated to this question.

End of Theme 12 question

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