A

AQA

Surname _____

Other Names _____

Centre Number _____

Candidate Number _____

For Examiner's Use

Candidate Signature _____

I declare this is my own work.

GCSE
GEOGRAPHY

8035/1

Paper 1 Living with the Physical Environment

Monday 18 May 2020 Morning

Time allowed: 1 hour 30 minutes

MATERIALS
For this paper you must have:
- **the insert (enclosed)**
- **a pencil**
- **a rubber**
- **a ruler.**

You may use a calculator.

At the top of the page, write your surname and other names, your centre number, your candidate number and add your signature.

[Turn over]

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INSTRUCTIONS

- Use black ink or black ball-point pen.
- Answer ALL questions in Section A AND Section B.
- Answer TWO questions in Section C.
- You must answer the questions in the spaces provided. Do not write on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

INFORMATION

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 88.
- HIC is a higher income country.
- LIC is a lower income country.
- NEE is a newly emerging economy.
- Spelling, punctuation, grammar and specialist terminology will be assessed in Question 01.12.

DO NOT TURN OVER UNTIL TOLD TO DO SO

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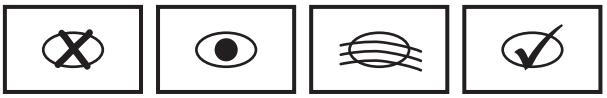
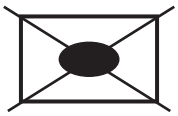
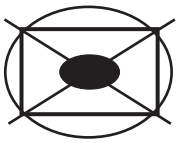
For the multiple-choice questions, shade the circle next to the correct answer.

CORRECT METHOD 

WRONG METHODS 

If you want to change your answer you must cross out your original answer as shown. 

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown. 

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SECTION A The challenge of natural hazards

Answer ALL questions in this section.

QUESTION 1 The challenge of natural hazards

0 1 . 1 Which ONE of the following statements about tropical storms is true? [1 mark]

Shade ONE circle only.

- ⬭ **A** Tropical storms gain energy as they reach land.
- ⬭ **B** Tropical storms develop along the Equator.
- ⬭ **C** Tropical storms occur in areas of high pressure.
- ⬭ **D** Tropical storms form above oceans where temperatures are over 27 ºC.

Study FIGURE 1, on page 2 of the insert, a graph showing the number of tropical storms (typhoons) that reached Japan in each month from 1851 to 2018.

0 1 . 2 The total number of typhoons reaching Japan was 204.

What percentage of the total number of typhoons occurred in August?

Give your answer to the nearest WHOLE percentage. [2 marks]

Show your working

_____ %

0 1 . 3 Give ONE reason why tropical storms have a seasonal pattern. [1 mark]

_____

_____

_____

Study FIGURE 2, on page 3 of the insert, a satellite image showing Cyclone Idai approaching Mozambique, Africa in March 2019.

0 1 . 4 Describe the structure of Cyclone Idai shown in FIGURE 2. [2 marks]

Study FIGURE 3, on pages 4 and 5 of the insert, information about Cyclone Idai and its impacts on Mozambique.

0 1 . 5 Suggest why some tropical storms have severe primary and secondary effects.

Use FIGURE 3 and your own understanding. [6 marks]

[Turn over]

Study FIGURE 4, on page 6 of the insert, a map showing the distribution of earthquakes in and around Japan.

0 1 . 6 Using FIGURE 4, which ONE of the following statements is true?

Shade ONE circle only. [1 mark]

- ⬭ **A** Most of the stronger earthquakes happened on land.
- ⬭ **B** Most earthquakes happened to the east and south east of Japan.
- ⬭ **C** Most earthquakes around Japan were over 7 on the Richter Scale.
- ⬭ **D** No earthquakes greater than 5 on the Richter Scale happened to the west of Japan.

0 1 . 7 Using FIGURE 4, name the type of plate margin between the Pacific and Eurasian plates. [1 mark]

_____

_____

_____

0 1 . 8 **Suggest ONE OTHER tectonic hazard likely to occur near to the plate margins shown in FIGURE 4. [1 mark]**

0 1 . 9 **Explain how the risks of a tectonic hazard can be reduced. [4 marks]**

0 1 . 1 0 **State ONE source of evidence for long-term climate change during the Quaternary period. [1 mark]**

Study FIGURE 5, on page 7 of the insert, a world map showing projected global temperature change between 2000 and 2100.

0 1 . 1 1 Using FIGURE 5, which ONE of the following statements is true?

Shade ONE circle only. [1 mark]

⬭ A The greatest increase in temperature will be along the Equator.

⬭ B Most of Africa will have a rise in temperature of between 0 ºC and 0.5 ºC.

⬭ C The oceans will show a greater increase in temperature than land areas.

⬭ D Areas north of 60 ºN will have the greatest increase in temperature.

Study FIGURE 6, on pages 8 and 9 of the insert, photographs showing strategies used to manage climate change.

0 1 . 1 2 ‘Managing climate change involves both reducing causes (mitigation) and responding to change (adaptation).’

Do you agree?

Explain your answer.

Use FIGURE 6 and your own understanding. [9 marks] [+3 SPaG marks]

33

[End of Section A]

SECTION B The living world

Answer ALL questions in this section.

QUESTION 2 The living world

0 2 . 1 For a small scale ecosystem you have studied, name ONE producer and ONE consumer. [2 marks]

Producer _____

Consumer _____

0 2 . 2 What is the role of producers in an ecosystem? [1 mark]

_____

_____

_____

Study FIGURE 7, on pages 10 and 11 of the insert, which shows annual climate data for two different environments.

0 2 . 3 Using FIGURE 7, calculate the temperature range in Place A. [1 mark]

_____ °C

0 2 . 4 Using FIGURE 7, state TWO differences between the climate in Place A and Place B. [2 marks]

1 _____

_____

_____

2 _____

_____

_____

0 2 . 5 **Which global ecosystem matches the following description?**

An area with trees which drop their leaves in winter.

Shade ONE circle only. [1 mark]

- ⬭ **A Tundra.**
- ⬭ **B Tropical grassland.**
- ⬭ **C Deciduous forest.**
- ⬭ **D Tropical rainforest.**

[Turn over]

FIGURE 8, on page 12 of the insert, shows strategies to reduce the risk of desertification in the Sahel, Africa.

FIGURE 9, on pages 14 and 15 of the insert, shows strategies used to balance the needs of economic development and conservation in cold environments.

0 2 . 6 **Suggest how different strategies are used to reduce environmental damage in**

EITHER:

- **an area on the fringe of a hot desert**

OR

- **a cold environment.**

Use FIGURE 8 OR FIGURE 9 and your own understanding. [6 marks]

Study FIGURE 10, on page 16 of the insert, a newspaper article about wildfires in Brazil in August 2019.

0 2 . 7 Using FIGURE 10, give ONE feature of the pattern of wildfires in Brazil. [1 mark]

0 2 . 8 Outline ONE reason why wildfires are a threat to global climate. [2 marks]

Study FIGURE 11, on pages 18 and 19 of the insert, which shows some causes of deforestation in tropical rainforests.

0 2 . 9 ‘Some economic activities in tropical rainforests have major environmental impacts.’

Do you agree?

Use FIGURE 11 and a case study to explain your answer. [9 marks]

25

[End of Section B]

[Turn over]

SECTION C Physical landscapes in the UK

Answer TWO questions from the following:

Question 3 (Coasts), Question 4 (Rivers), Question 5 (Glacial).

QUESTION 3 Coastal landscapes in the UK

Study FIGURE 12, on pages 20 and 21 of the insert, a physical map of the British Isles.

0 3 . 1 **Match the following descriptions of coastal landscapes in the UK with the correct letter shown on FIGURE 12. [2 marks]**

Description of coastal landscape	Letter
An uneven coastline with several large islands offshore	
A headland which marks the coastal limit of the South Downs	

Study FIGURE 13, on page 22 of the insert, an image showing a coastal realignment scheme at Medmerry, West Sussex.

0 3 . 2 Using FIGURE 13, state what has happened to the area behind the shingle beach at high tide. [1 mark]

_____

_____

_____

0 3 . 3 Suggest ONE advantage of the coastal management strategy shown in FIGURE 13. [1 mark]

_____

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[Turn over]

Study FIGURE 14, on page 23 of the insert, a graph showing rates of erosion at a coastal site between 2000 and 2018.

0 3 . 4 Using FIGURE 14, what is the projected rate of erosion for 2030? [1 mark]

_____

metres per year

0 3 . 5 Explain the benefits of using hard engineering strategies to protect the coastline. [4 marks]

_____

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Study FIGURE 15, on pages 24 and 25 of the insert, a photograph of part of Dorset, and sketch maps showing changes in the shape of a coastline over time.

0 3 . 6 Explain the formation of the physical features of the coastline shown in FIGURE 15. [6 marks]

15

[End of Question 3]

[Turn over]

QUESTION 4 River landscapes in the UK

Study FIGURE 16, on pages 26 and 27 of the insert, a physical map of the British Isles.

0 4 . 1 Match the following descriptions of rivers in the UK with the correct letter shown on FIGURE 16. [2 marks]

Description of river	Letter
A river which flows west from the Pennines into Liverpool Bay	
A river which flows north east through the Fens and into the Wash	

Study FIGURE 17, on page 28 of the insert, a photograph showing river straightening along the River Cuckmere in East Sussex.

0 4 . 2 Using FIGURE 17, describe the relief (height and shape of the land) on either side of the straightened river. [1 mark]

0 4 . 3 Suggest how the strategy shown in FIGURE 17 helps to manage the river. [1 mark]

Study FIGURE 18, on page 29 of the insert, a graph showing maximum discharge for a river between 2000 and 2018.

0 4 . 4 Using FIGURE 18, calculate the range of maximum discharge. [1 mark]

_____

cubic metres per second

0 4 . 5 Explain how river levées are formed. [4 marks]

_____

_____

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Study FIGURE 19, on page 30 of the insert, information about Cockermouth and the impact of Storm Desmond in December 2015.

0 4 . 6 Explain how physical and human factors may affect flood risk.

Use FIGURE 19 and your own understanding. [6 marks]

15

[End of Question 4]

[Turn over]

QUESTION 5 Glacial landscapes in the UK

Study FIGURE 20, on pages 32 and 33 of the insert, a physical map of the British Isles.

0 5 . 1 Match the following descriptions of glaciated uplands in the UK with the correct letter shown on FIGURE 20. [2 marks]

Description of glaciated upland area	Letter
A mountainous area that includes the highest point in Wales	
A large mountainous area in Scotland where the highest point is over 1300 m	

Study FIGURE 21, on pages 34 and 35 of the insert, a contour map and cross section showing 6 drumlins labelled A–F.

0 5 . 2 Describe the shape of the drumlins shown in FIGURE 21. [1 mark]

_____

_____

_____

0 5 . 3 Using FIGURE 21, calculate the mean maximum height of the 6 drumlins. [1 mark]

_____ m

0 5 . 4 Using evidence from FIGURE 21, suggest the general direction of movement of ice when the drumlins were formed. [1 mark]

_____

_____

_____

0 5 . 5 **Explain how glaciated areas in the UK provide economic opportunities.**
[4 marks]

Study FIGURE 22, on page 36 of the insert, a photograph and diagram showing landforms of glacial erosion.

0 5 . 6 Explain how glacial processes have created the landforms shown in FIGURE 22. [6 marks]

15

END OF QUESTIONS

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For Examiner's Use	
Question	Mark
1	
2	
3	
4	
5	
TOTAL	