



GCE A LEVEL

1110U30-1



S19-1110U30-1

THURSDAY, 6 JUNE 2019 – AFTERNOON

GEOGRAPHY – A2 unit 3

Global Systems and Global Governance

2 hours

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ADDITIONAL MATERIALS

A WJEC pink 16-page answer booklet.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Write your answers in the separate answer booklet provided.

Write your name, centre number and candidate number in the spaces at the top of the answer booklet.

Answer questions 1 **and** 2 and **either** 3 **or** 4 in Section A.

Answer questions 5 **and** 6 and **either** 7 **or** 8 in Section B.

Answer **one** question in Section C.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question or part-question; you are advised to divide your time accordingly.

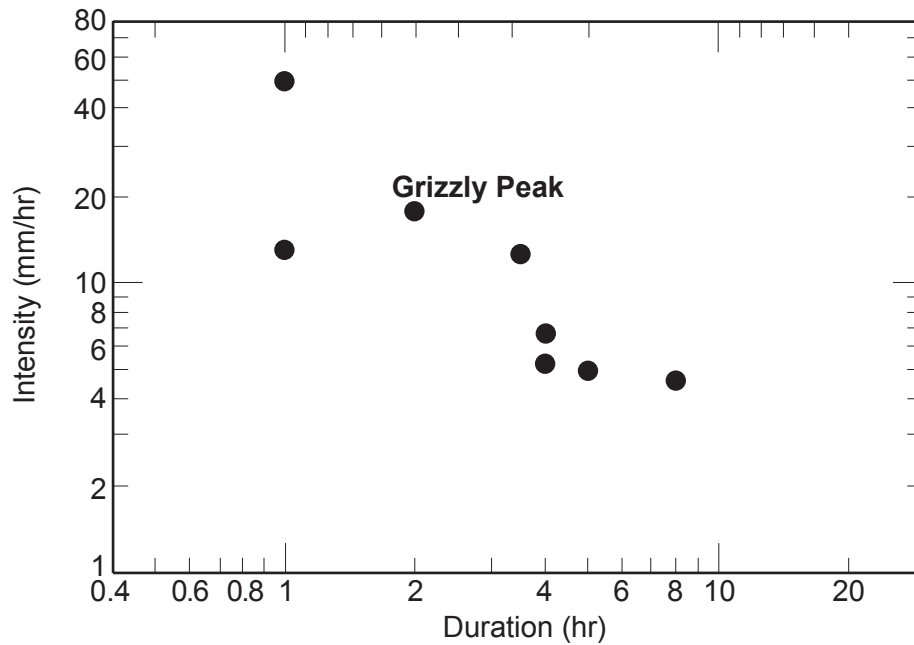
This paper requires that you make as full use as possible of appropriate examples and reference to data to support your answers. Sketch maps and diagrams should be included where relevant.

Section A: Global Systems

Answer questions 1 and 2 and either 3 or 4.

Make the fullest possible use of examples in support of your answers.

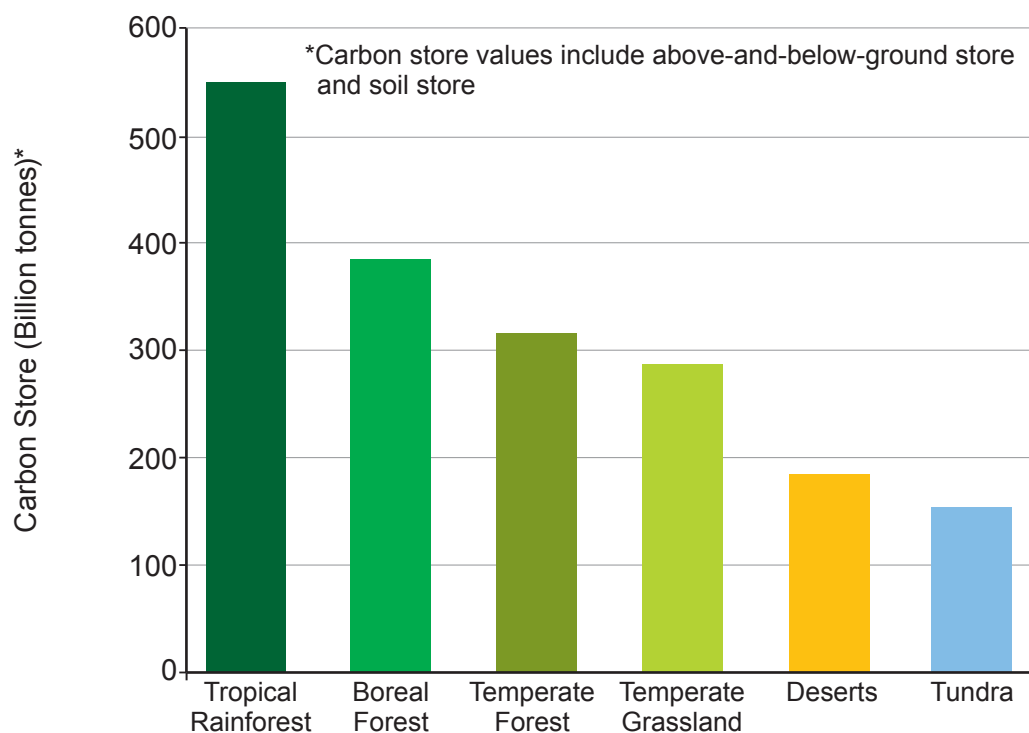
Figure 1: Rainfall intensity and duration at locations along the Colorado River, USA



Source: Adapted from www.citeseerx.ist.psu.edu

1. (a) (i) Using **Figure 1** state the rainfall intensity at Grizzly Peak. [1]
 - (ii) Suggest **one** reason for the use of a logarithmic scale to display these data. [2]
- (b) Explain **two** causes of overland flow in a drainage basin system. [5]

Figure 2: Carbon stores in selected biomes



Source: Adapted from Olson, D.M., *Terrestrial Ecoregions of the World: A New Map of Life on Earth*

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2. (a) Suggest **two** reasons for variations in the size of carbon stores shown in **Figure 2**. [5]
- (b) Outline **two** ways in which human activity can lead to changes in the size of the carbon store in the tropical rainforest. [4]

Either

3. Examine the role of human factors in generating excess runoff. [18]

Or

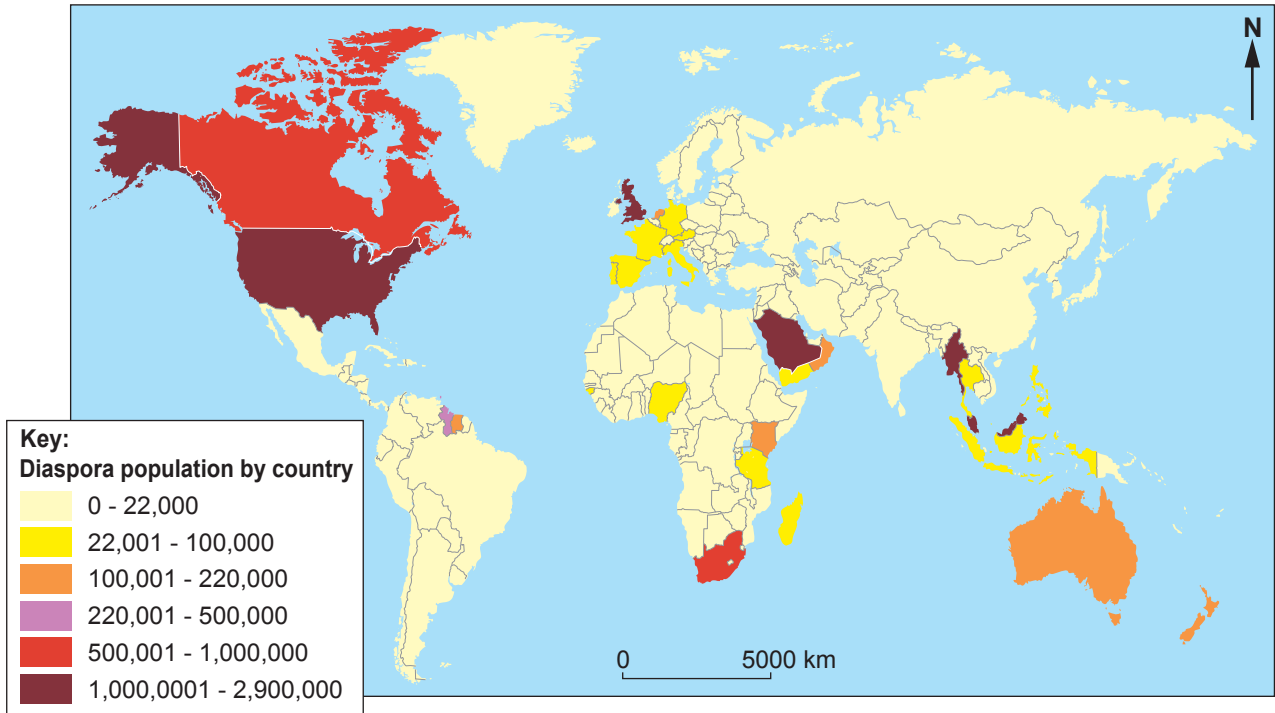
4. Examine how carbon pathways and processes vary over time. [18]

Section B: Global Governance: Change and Challenges

Answer questions 5 and 6, and either 7 or 8.

Make the fullest possible use of examples in support of your answers.

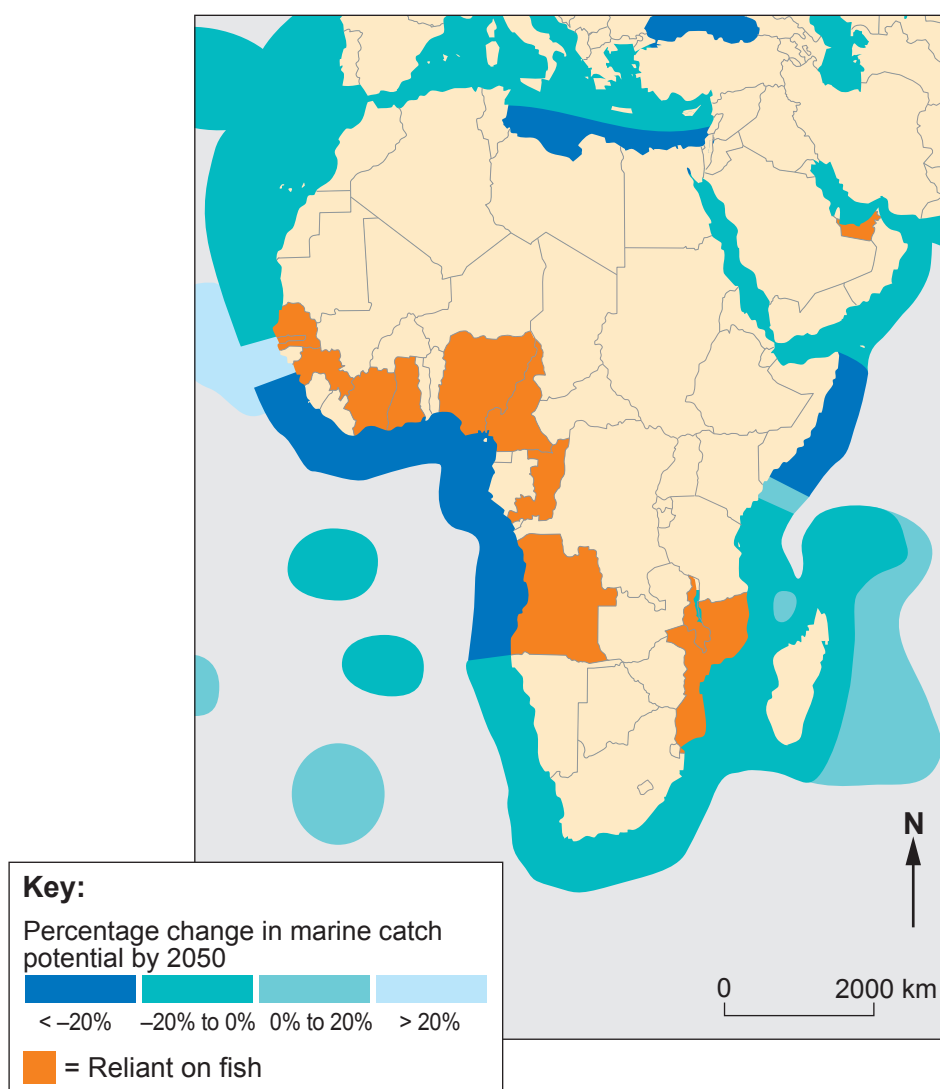
Figure 3: Global distribution of the Indian diaspora



Source: Global Mapping International

5. (a) Use **Figure 3** to describe the global distribution of the Indian diaspora. [3]
- (b) Outline **one** way in which superpowers may influence flows of international migrants. [5]

Figure 4: Percentage change in marine catch potential off the African coast by 2050 (relative to 2000 levels)



Source: adapted from www.nature.com

6. (a) Suggest **two** consequences of the exploitation of marine ecosystems for countries reliant on fish such as those shown in **Figure 4**. [5]
- (b) Outline **two** causes of ocean pollution. [4]

Either

7. Examine the success of actions to tackle refugee movements. [18]

Or

8. Examine why the ownership of ocean resources sometimes leads to international conflicts. [18]

Section C: 21st Century Challenges

Answer **either** question 9 **or** question 10.

In your answer to either question 9 **or** 10, you should use the resources in Figures 5, 6, 7 and 8 and apply your knowledge and understanding from across the whole specification.

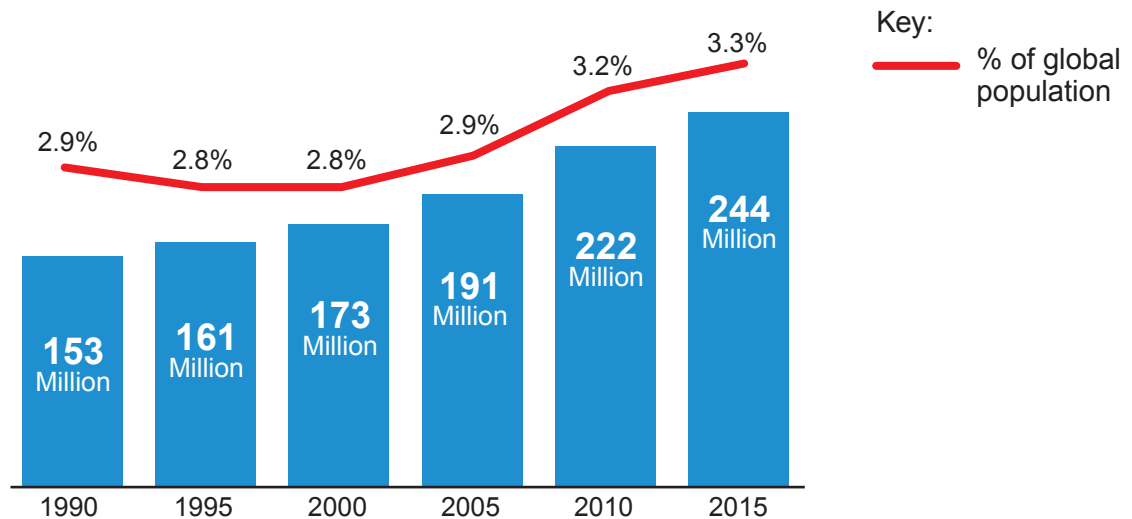
Either

9. Discuss the view that migration leads to positive changes to the characteristics of places. [26]

Or

10. Discuss the view that the causes of migration are mainly human. [26]

Figure 5: Global increase in international migration, 1990-2015



Source: www.iom.int

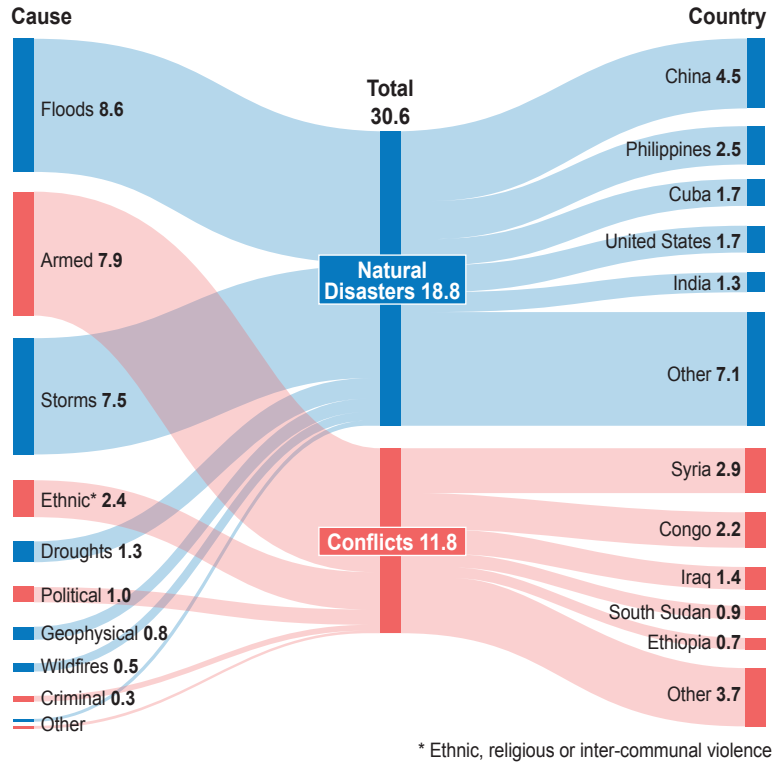
Figure 6: Cowbridge Road, Cardiff: a multicultural community



Source: olivesandartichokes.wordpress.com

Figure 7: Causes of internal displacement of people by country, 2017

Graphic shows number of people (millions) displaced by each natural disaster/conflict type.



Source: The Economist

Figure 8: Poster displayed in mainline railway stations in Wales, 2015



Source: iamanimmigrant.net

END OF PAPER