

GEOGRAPHY

9696/31

Paper 3 Advanced Human Options

May/June 2017

1 hour 30 minutes

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

An answer booklet is provided inside this question paper. You should follow the instructions on the front cover of the answer booklet. If you need additional answer paper ask the invigilator for a continuation booklet.

Answer **two** questions only. Each question answered **must** be from a different topic.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

You should make reference to appropriate examples studied in the field or the classroom, even where such examples are not specifically requested by the question.

The Table, Photograph and all the Figures referred to in the questions are contained in the Insert.

The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **3** printed pages, **1** blank page and **2** Inserts.

Production, location and change

Only **one** question may be answered from this topic.

- 1 (a) Table 1 shows global changes in area of arable land and area of irrigated land in 1970 and 2012.
- (i) Describe the changes in area of arable land and area of irrigated land from 1970 to 2012 shown in Table 1. [3]
- (ii) Suggest reasons why the area of arable land needed to feed one person decreased from 1970 to 2012. [7]
- (b) For **one** country you have studied, assess the extent to which the need for agricultural change is caused by physical factors. [15]
- 2 (a) Describe and explain the role of capital in the location of manufacturing and related service industry. [10]
- (b) Assess the extent to which changes in the character and location of manufacturing industry and related services of **one** country are the result of its industrial policy. [15]

Environmental management

Only **one** question may be answered from this topic.

- 3 (a) Photograph A shows a maize field and a biofuel refinery in France, an MEDC in Europe.
- (i) Describe and explain the advantages of growing crops for biofuels. [5]
- (ii) Explain the disadvantages of **one** renewable source of energy. [5]
- (b) Using examples from one or more countries, assess the importance of different factors that influence the supply of energy. [15]
- 4 (a) With reference to examples, explain why the supply of water varies. [10]
- (b) 'Economic factors are the main cause of environmental degradation.'
- With reference to one or more examples, how far do you agree? [15]

Global interdependence

Only **one** question may be answered from this topic.

- 5 (a) Fig. 1 shows the pattern of trade for Japan, an MEDC in Asia, in 2012.
- (i) Describe the pattern of trade shown in Fig. 1. [5]
- (ii) Suggest reasons for the pattern of trade you described in (i). [5]
- (b) With reference to examples, explain why aid is more effective in some countries which receive it than in others. [15]
- 6 (a) With reference to examples, explain the environmental advantages and environmental disadvantages of tourism. [10]
- (b) With reference to one or more tourist destinations, assess the extent to which economic development has resulted from tourism. [15]

Economic transition

Only **one** question may be answered from this topic.

- 7 (a) Describe the nature and causes of global inequalities in social and economic wellbeing. [10]
- (b) Assess the importance of factors influencing the growth and spatial structure of one or more transnational corporations (TNCs). [15]
- 8 (a) Fig. 2 shows poverty in Vietnam, an NIC in Southeast Asia, in 2009.
- (i) Describe the pattern of poverty shown in Fig. 2. [5]
- (ii) Describe and explain the limitations of the information in Fig. 2 for studying development in Vietnam. [5]
- (b) 'Regional disparities in development are best explained by the concept of core-periphery.'
- With reference to **one** country, how far do you agree? [15]

BLANK PAGE

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge International Examinations Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cie.org.uk after the live examination series.

Cambridge International Examinations is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.