



ADVANCED GCE

GEOGRAPHY A

Options in Physical and Human Geography

2683

Candidates answer on the Answer Booklet

OCR Supplied Materials:

- 8 page Answer Booklet

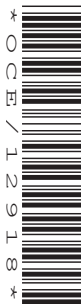
Other Materials Required:

None

Friday 22 January 2010

Afternoon

Duration: 1 hour 30 minutes



INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the spaces provided on the Answer Booklet.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **two** questions, **one** from Section A and **one** from Section B.
- Do **not** write in the bar codes.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- Where relevant, you should include sketch maps and diagrams and make use of examples of places you have studied.
- You will be awarded marks for the quality of written communication.
- The total number of marks for this paper is **90**.
- This document consists of **8** pages. Any blank pages are indicated.

Section A**Group A Options**

Answer **one** question from Questions 1 to 10.

Option 1: Coastal Environments

- Either** 1 (a) Describe the role lithology (rock type) and structure can play in the development of coastlines in plan form. [20]
- (b) Explain how sea level change influences the development of coastal landforms. [25]
- Or** 2 (a) Describe ways in which sediment is transported and deposited in the coastal zone. [20]
- (b) Explain the difficulties faced by management schemes/strategies attempting to deal with human activities in the coastal zone. [25]

Option 2: Fluvial Environments

- Either** 3 (a) Describe changes in a river's width, depth and gradient from source to mouth. [20]
- (b) Explain variations in the load carried by a river. [25]
- Or** 4 (a) Describe variations in water flow in channels of different cross-section and plan. [20]
- (b) Explain how floods result from the interaction of several factors. [25]

Option 3: Glacial and Periglacial Environments

- Either** 5 (a) Describe variations in the pattern of ice cover in the British Isles during the Pleistocene. [20]
- (b) Explain why glacier movement varies. [25]
- Or** 6 (a) Describe the landforms and landscapes resulting from deposition directly by ice. [20]
- (b) Explain the role of glacial erosion in the formation and development of upland glaciated landforms and landscapes. [25]

Option 4: Hot Arid and Semi-arid Environments

- Either** **7** **(a)** Describe the main characteristics of desert climates. **[20]**
- (b)** Explain how human activity can use and misuse water resources in hot arid and semi-arid environments. **[25]**
- Or** **8** **(a)** Describe changes in the location and extent of hot desert environments in the past. **[20]**
- (b)** Explain the role of flowing water in the formation and development of distinctive desert landforms. **[25]**

Option 5: Applied Climatology

- Either** **9** **(a)** Describe the micro-climatic modifications brought about by buildings. **[20]**
- (b)** Explain how human activities exploit the effects of shelter belts and wind-breaks. **[25]**
- Or** **10** **(a)** Describe ways in which human activity is affected by the frequency and severity of frost and fog. **[20]**
- (b)** Explain the relationship between topography and the frequency of frost and fog. **[25]**

Section B**Group B Options**

Answer **one** question from Questions 11 to 18.

Option 6: Agriculture and Food

- Either** **11** **(a)** Describe the influence of relief on agricultural systems. [20]
- (b)** Explain the relationship between different types of farming and ecosystems. [25]
- Or** **12** **(a)** Describe the pattern of food shortages and famines in LEDCs. [20]
- (b)** Explain how food shortages and famines result from the interaction of physical and human factors. [25]

Option 7: Manufacturing Industry: Location, Change and Environmental Impact

- Either** **13** **(a)** Describe the factors influencing the urban-rural shift of manufacturing in MEDCs. [20]
- (b)** Explain why different sized manufacturing companies often have contrasting locational patterns. [25]
- Or** **14** **(a)** Describe ways in which LEDCs and NICs industrialise. [20]
- (b)** Explain why the consequences of manufacturing decline vary from place to place. [25]

Option 8: Service Activities: Location, Change and Environmental Impact

- Either** **15** **(a)** Describe behavioural approaches to understanding the location of service activities. [20]
- (b)** Explain changing patterns of retail organisation over the past 40 years. [25]
- Or** **16** **(a)** Describe urban planning responses that seek to maintain the status and quality of retailing in the CBD. [20]
- (b)** Explain why CBDs are dominated by high order service activities. [25]

Option 9: Tourism and Recreation and their Environmental Impacts

- Either** **17** **(a)** Describe the characteristics of the following types of tourist development: resort; enclave; zone. **[20]**
- (b)** Explain why governments encourage tourism and recreation. **[25]**
- Or** **18** **(a)** Describe the effects of political changes and crises on international tourism. **[20]**
- (b)** Explain how changes in infrastructure since the 18th century have affected patterns of international tourism. **[25]**

BLANK PAGE

BLANK PAGE

**Copyright Information**

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations, is given to all schools that receive assessment material and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR 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.