

**ADVANCED GCE****GEOGRAPHY A**

Options in Physical and Human Geography

2683

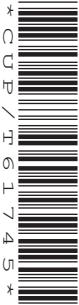
Candidates answer on the Answer Booklet

OCR Supplied Materials:

- 8 page Answer Booklet

Other Materials Required:

None

Friday 5 June 2009**Morning****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 ways in which sediment moves in the coastal zone. [20]
- (b) Explain how beaches with different cross-sections (profiles) result from the interaction of several factors. [25]
- Or** 2 (a) Describe the inputs, stores and outputs characteristically found in a cliff system. [20]
- (b) Explain the effects of changing sea level on coastal landforms. [25]

Option 2: Fluvial Environments

- Either** 3 (a) Describe the inputs, stores and outputs characteristically found in a river system. [20]
- (b) Explain the effects of changes in base level on channel and valley landforms. [25]
- Or** 4 (a) Describe typical downstream changes in channel shape. [20]
- (b) Explain how variations in river regime result from the interaction of several factors. [25]

Option 3: Glacial and Periglacial Environments

- Either** 5 (a) Describe the landforms and landscapes characteristic of periglacial environments. [20]
- (b) Explain how the distinctive climate in periglacial environments affects the weathering and slope processes commonly operating there. [25]
- Or** 6 (a) Describe the landforms resulting from glacio-fluvial processes. [20]
- (b) Explain how glacial landforms are influenced by rock type. [25]

Option 4: Hot Arid and Semi-arid Environments

- Either** **7** **(a)** Describe sand dune landscapes found in hot arid and semi-arid environments. [20]
- (b)** Explain how the distinctive climates in hot arid and semi-arid environments affect the weathering processes commonly operating there. [25]
- Or** **8** **(a)** Describe the influence of extreme temperature and high aridity on animals living in hot arid and semi-arid environments. [20]
- (b)** Explain how land degradation in hot arid and semi-arid environments results from the interaction of several factors. [25]

Option 5: Applied Climatology

- Either** **9** **(a)** Describe the contrast in energy budgets between urban areas and their surrounding rural areas. [20]
- (b)** Explain the influence of city size on urban-rural climatic contrasts. [25]
- Or** **10** **(a)** Describe the climatological and meteorological factors that contribute to air pollution. [20]
- (b)** Explain how major air pollution episodes cause a variety of problems for humans. [25]

Section B**Group B Options**

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

Option 6: Agriculture and Food

- Either** **11** **(a)** Describe the contrasting distribution of malnutrition and overnutrition at the global and regional scales. **[20]**
- (b)** Explain the advantages and disadvantages of food aid for receiving countries. **[25]**
- Or** **12** **(a)** Describe farming techniques designed to overcome hydrological difficulties. **[20]**
- (b)** Explain the influence of the market on agricultural systems. **[25]**

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

- Either** **13** **(a)** Describe ways in which government policies can influence manufacturing locations. **[20]**
- (b)** Explain how the growth of manufacturing influences the development of core and peripheral regions. **[25]**
- Or** **14** **(a)** Describe the impact of Foreign Direct Investment (FDI) on manufacturing locations in MEDCs. **[20]**
- (b)** Explain how and why the influence of transport on manufacturing locations has changed. **[25]**

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

- Either** **15** **(a)** Describe the advantages of out-of-town locations to both retailing and office services. **[20]**
- (b)** Explain how decentralisation of service activity can have social, economic and environmental impacts. **[25]**
- Or** **16** **(a)** Describe the principles of central place theory. **[20]**
- (b)** Explain how retail patterns can be influenced by Information Technology (IT) and by the role of shopping as a leisure activity. **[25]**

Option 9: Tourism and Recreation and their Environmental Impacts

- Either** **17** **(a)** Describe social and economic impacts of tourism on LEDCs. **[20]**
- (b)** Explain how the development of seaside resorts in MEDCs has been influenced by changing social and economic conditions. **[25]**
- Or** **18** **(a)** Describe changes in transport technology that have influenced the development of tourism. **[20]**
- (b)** Explain the recent growth of ecotourism and urban-based 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 1PB.

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.