

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
ADVANCED GCE

2683

GEOGRAPHY A

Options in Physical and Human Geography

FRIDAY 5 JUNE 2009: Morning

DURATION: 1 hour 30 minutes

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Answer Booklet.

OCR SUPPLIED MATERIALS:

8 page Answer Booklet

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

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.

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.

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]

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