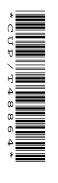


ADVANCED GCE GEOGRAPHY A Options in Physical and Human Geography

FRIDAY 6 JUNE 2008

2683

Morning Time: 1 hour 30 minutes



Additional materials (enclosed): None

Additional materials (required): Answer Booklet (8 pages)



INSTRUCTIONS TO CANDIDATES

- Write your name in capital letters, your Centre Number and Candidate Number in the spaces provided on the Answer Booklet.
- Read each question carefully and make sure you know what you have to do before starting your answer.
- Answer two questions, one from Section A and one from Section B.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.

INFORMATION FOR CANDIDATES

- The number of marks for each question is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 90.
- 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.

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Section A

Group A Options

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

Option 1: Coastal Environments

Either	1	(a)	Describe contrasting methods of coastal management.	[20]
		(b)	Explain how sub-aerial processes influence the development of cliffs.	[25]
Or	2	(a)	Describe how the sea erodes and transports.	[20]
		(b)	Account for variations in wave energy reaching the coast.	[25]

Option 2: Fluvial Environments

Either	3	(a)	Describe methods of measuring river velocity and discharge.	[20]
		(b)	Explain the contrasts in energy required to pick up, transport and deposit sediment of different sizes.	[25]
Or	4	(a)	Describe the causes of river flooding.	[20]
		(b)	Explain how river flooding can be reduced and prevented.	[25]

Option 3: Glacial and Periglacial Environments

Either	5	(a)	Describe the changing pattern of ice cover across the British Isles during the Pleistocene.	[20]
		(b)	Explain the effects of multiple glaciation and deglaciation on lowland landscapes.	[25]
Or	6	(a)	Describe the types and rates of ice movement in cold and warm-based glaciers.	[20]
		(b)	Explain how drainage patterns can be modified by the advance and retreat of ice across a landscape.	[25]

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Option 4: Hot arid and Semi-arid environments

Either	7	(a)	With the help of labelled diagrams, describe the following landforms: alluvial fan and bahada; wadi; inselberg.	[20]
		(b)	Explain how past, as well as present, processes contribute towards the development of desert landforms.	[25]
Or	8	(a)	Describe the characteristics of soils in hot arid and semi-arid environments.	[20]
		(b)	Explain how plants have adapted to living in hot arid and semi-arid environments.	[25]

Option 5: Applied Climatology

Either	9	(a)	Describe ways in which meteorological conditions affect human comfort in diffe parts of the world.	rent [20]
		(b)	Explain how building design provides 'human comfort' in different climates.	[25]
Or	10	(a)	Describe the micro-climatic modifications brought about by buildings.	[20]
		(b)	Explain how urban morphology influences urban climate.	[25]

Section B

Group B Options

Answer one question from Questions 11 to 18.

Option 6: Agriculture and Food

Either	11	(a)	Describe the pattern of food shortages and famines in LEDCs.	[20]
		(b)	Explain how food shortages and famines result from both physical and human factors.	[25]
Or	12	(a)	Describe the diffusion of agricultural innovations.	[20]
		(b)	Explain variations in the pattern of diffusion of agricultural innovations.	[25]
Ontion	7- M/	anufa	acturing Industry: Location, Change and Environmental Impact	
option	/. 1010	anure	icturing industry. Location, change and Linvironmental impact	
Either	13	(a)	Describe the influence of labour on the location of manufacturing.	[20]
		(b)	Explain why the consequences of manufacturing unemployment vary from	

- **Or 14** (a) Describe the influence of industrial inertia on the location of manufacturing. [20]
 - (b) Explain how manufacturing industries have developed in LEDCs and NICs. [25]

[25]

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

place to place.

Either	15	(a)	Describe theories and models of retailing and office location within the CBD.	[20]
		(b)	Explain how planning responses aim to enhance the status and quality of retailing in the CBD.	[25]
Or	16	(a)	Describe the characteristics of regional shopping centres; retail parks and hypermarkets.	[20]
		(b)	Explain the effects of these new retail centres on traditional urban retailing hierarchies.	[25]

Option 9: Tourism and Recreation and their Environmental Impacts

Either	17	(a)	Describe the characteristics of mass tourism; ecotourism and urban tourism.	[20]
		(b)	Explain the contrasting effects of both mass tourism and ecotourism on LEDCs.	[25]
Or	18	(a)	Describe the role of tourism and recreation in national and regional development strategies.	[20]
		(b)	Explain how changes in transport technology since the 18 th century have affected patterns of international tourism.	[25]

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