



QUESTION PAPER

Associate Open Book Assessment – June 2005

Please read the Instructions to Candidates prior to starting this paper.

Answer ALL questions.

QUESTION 1

You are running a beach cafe and shop in the UK and would like to ensure that your business has a positive environmental and social impact.

- Briefly describe three key positive and three key negative social or environmental impacts that might be associated with a business of this kind. (4 marks)
- Briefly describe the possible improvements that you could make, or steps you could take to influence your business for each of the negative impacts identified in part a) of your answer. In your answer identify any constraints and opportunities for this kind of business. (6 marks)

QUESTION 2

A new public transport scheme is proposed for a major city. The scheme will involve partial closure of the routes into the city centre for vehicles.

- Identify the stakeholder groups that are likely to be interested in this proposal. (3 marks)
- Discuss the potential positive and negative impacts of the proposal. (7 marks)

QUESTION 3

You are required to carry out an air quality assessment as part of an Environmental Impact Assessment (EIA). The EIA is for a large mixed use development, consisting of 5,000 residential units, commercial units (including a supermarket), primary school, community centre and open space. The development will take approximately 20 years to construct.

Describe what further information you would require to make an assessment of the impacts on air quality. (10 marks)

QUESTION 4

- Describe two examples of how human impacts have affected the process of interchange between the stores of the hydrological cycle. A diagram may be included to support your answer. (6 marks)
- Explain in detail why water is important for global processes. (4 marks)

QUESTION 5

New legislation regarding the landfilling of waste comes into force on 16th July 2005 in England and Wales.

- a) Describe the new requirements the legislation introduces and identify the EC Directive they are related to. (6 marks)
- b) Describe the key actions which waste producers must do now, which were not required previously. (4 marks)

QUESTION 6

- a) Briefly describe six possible causes of Urban Degeneration. (4 marks)
- b) You have bought 10 hectares of previously developed land suitable for mixed use (i.e. not contaminated). Describe the considerations you would give to create a desirable, sustainable development to positively encourage city dwelling. (6 marks)

QUESTION 7

The Environmental Information Regulations 2004 give the public a right to access certain information. You have been asked to prepare a briefing paper to issue to the environmental management committee explaining the implications of the regulation. In your paper include the following:

- A description of the types of organisation this regulation is applicable to and the types of information that are affected.
- The reasons an organisation might give for refusing access to environmental information. (10 marks)

QUESTION 8

You are a textile manager preparing a Life Cycle Assessment (LCA) for the process of producing a cotton T-shirt. Prepare a flow diagram to illustrate the key elements of the LCA process, identifying the likely inputs, outputs and environmental impacts at each stage of producing a cotton T-shirt. (10 marks)

QUESTION 9

You are the environmental manager in an organisation with an environmental management system. You have been asked to undertake a full review of the objectives and targets and develop revised targets.

- a) Identify and explain the criteria you would use to set the revised targets and ensure they were accepted. (5 marks)
- b) Explain to whom and how you would communicate the revised targets and progress towards achieving the targets. (5 marks)

QUESTION 10

You are the environmental manager of a construction company. Prepare a short report for the Company Board describing the sustainability impacts associated with the timber purchased for use in a UK construction project and make recommendations as to how these impacts could be reduced. (10 marks)

END