



QUESTION PAPER

Associate Open Book Assessment – February 2006

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

Answer ALL questions.

QUESTION 1

A new bypass is proposed in the UK. As a result of screening, it has been determined that this project requires an Environmental Impact Assessment (EIA). The EIA is now at the scoping stage.

A) Describe in detail the role of scoping in EIA. (5 marks)

B) Outline the types of impacts that you would expect to be considered at this stage for this type of project. (5 marks)

QUESTION 2

As an environmental manager of a manufacturing company you have been asked to develop a policy for sustainable procurement.

A) State the aims of a sustainable procurement policy and what it should achieve. (3 marks)

B) Outline the key considerations when developing sustainable procurement. (7 marks)

QUESTION 3

You are an Environmental Advisor and your Managing Director has asked you to comment on the development of a tract of unused land as a wetland area with the possibility of introducing a colony of beavers.

A) Outline the positive and negative effects of developing a wetland area. (7 marks)

B) What advice might you give on the Managing Directors proposal to reintroduce this species. (3 marks)

QUESTION 4

The Waste Electrical and Electronic Equipment Directive (WEEE) aims to minimise the impacts of electrical and electronic equipment on the environment. Directives go through a number of stages between the initial idea and full implementation.

A) Explain the current stage that the Directive is at in the UK and the general implications of the Directive. (4 marks)

B) Describe the compliance scheme that has been set up in the UK, in response to the WEEE Directive and how it will work. (6 marks)

QUESTION 5

You have been asked by your Manager to produce a briefing for employees on managing a small oil storage facility on site (a manufacturing site or similar within the UK).

A) Outline the legal background and the need for oil storage to be managed effectively. (3 marks)

B) List the key points you would include in a briefing note to be given to operators on your site. (7 marks)

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QUESTION 6

- A) Describe two key natural and two anthropogenic sources of carbon dioxide in the carbon cycle. (2 marks)
- B) As an environmental manager for a small business outline measures to improve carbon management within the organisation's buildings and transport. (8 marks)

QUESTION 7

- A) Describe the key positive and key negative environmental, social and economic arguments in developing a new generation of nuclear reactors to meet future UK energy demands. (6 marks)
- B) Briefly outline the main environmental and health effects of radioactive pollution following a large scale nuclear incident (such as Chernobyl). (4 marks)

QUESTION 8

You are the Environmental Manager of a major airport.

- A) Identify six key environmental impacts that are likely to arise from an airport and justify your answer. (5 marks)
- B) For each of the key environmental impacts identified in part A), develop one objective and identify one target that would reduce the environmental impact. (5 marks)

QUESTION 9

- A) You are an external auditor preparing for a multi-issue audit of a chalk quarrying company that manufactures cement. Describe what you would expect the key direct and indirect environmental aspects and impacts to be, resulting from the chalk quarrying and cement manufacture process. (7 marks)
- B) Identify six key areas of environmental legislation associated with the cement industry. (3 marks)

QUESTION 10

Discuss the importance of odour in environmental protection with respect to:

- The legislative framework in England
- Odour measurement
- Odour control

(10 marks)

END