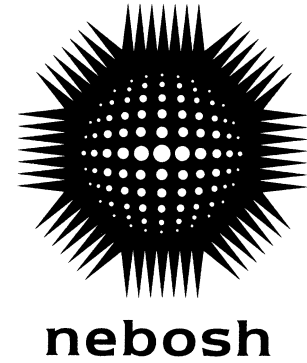


NEBOSH Certificate in Environmental Management



UNIT EC1 - Management and control of environmental hazards

Duration of examination: 2 hours

Answer **ALL** questions.

The maximum marks for each question, or part of a question, are shown in brackets.

Start each answer on a new page.

Answers may be illustrated by sketches, where appropriate.

This question paper must be returned to the invigilator after the examination.

You are advised to spend about **half an hour** on **Question 1**.

You are advised to spend a total of about **one and a half hours** on **Questions 2-11**.

- 1 (a) **Identify** the categories of waste. (4)
- (b) (i) **Outline** the main advantages associated with the landfilling of waste. (8)
- (ii) **Outline** the main disadvantages associated with the landfilling of waste. (8)
- 2 **Outline:**
- (a) the benefits; (4)
- (b) the limitations (4)
- associated with the use of fossil fuels as an energy source.
- 3 (a) **Outline** what is meant by '*reactive monitoring*'. (2)
- (b) **Outline** types of issues that may be identified by reactive monitoring. (6)

- 4 ISO 14001 requires organisations to identify both environmental aspects and environmental impacts.
- (a) **Give** the meaning of the terms:
- (i) environmental aspect; (2)
 - (ii) environmental impact. (2)
- (b) **Identify** possible environmental *aspects* of a small vehicle repair workshop. (4)
- 5 Work is being carried out on a large construction site next to a residential area.
- (a) **Identify** typical *effects* of environmental noise during the construction work. (2)
- (b) **Identify** factors that determine whether noise from the construction site is likely to constitute a nuisance. (6)
- 6 **Identify FOUR** common air pollutants **AND give** a typical source for **EACH**. (8)
- 7 **Outline** measures that should be in place in order to be prepared for environmental emergencies. (8)
- 8 **Outline** the main possible sources of water pollution from an industrial site. (8)
- 9 **Identify** internal sources of information that an organisation might consult when assessing its impacts on the environment. (8)
- 10 **Outline** the essential requirements of the environmental policy for an organisation seeking to gain certification under ISO 14001. (8)
- 11 (a) **Give** the meaning of the term '*sustainability*'. (2)
- (b) **Outline** how a construction project can help ensure it is supporting sustainable development. (6)



Do not turn this question paper until you are instructed to do so by the invigilator.

Please check your student number and name printed on this document are correct. If they are not correct you **MUST** inform the invigilator immediately.

Student Number:

Name:

Examination date:

Please also check that this paper is for the correct Unit and Qualification:

Unit: **EC1 – Management and control of environmental hazards**

Qualification: **NEBOSH Certificate in Environmental Management**

At the end of the examination you must return this question paper to the invigilator.