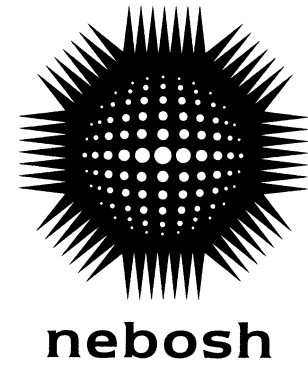


NEBOSH International Certificate in Fire Safety and Risk Management



UNIT IFC1 - International fire safety and risk management

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) **Outline** how suitable wall lining materials could help minimise the risk from fire. (3)
 - (b) **Identify** types of wall lining material that could be used on a means of escape. (5)
 - (c) **Outline** how compartmentation in a building may be compromised. (5)
 - (d) **Describe** how a fire may spread to a neighbouring building. (3)
 - (e) **Outline** means of preventing a fire from spreading to a neighbouring building. (4)
- 2
- (a) **Outline** possible financial implications of high numbers of false fire alarm activations in a workplace. (4)
 - (b) **Outline** possible adverse effects on the behaviour of occupants of a workplace during a fire alarm where there has previously been a number of false fire alarm activations. (4)
- 3
- Outline** issues that should be considered when carrying out a risk assessment of dangerous substances. (8)

- 4 **Outline** reasons for conducting fire drills in a workplace. (8)
- 5 **Identify** information that may be contained in a fire log book. (8)
- 6 **Give** the meaning of the following terms:
- (a) flashpoint; (2)
 - (b) auto-ignition temperature; (2)
 - (c) upper flammable limit (UFL); (2)
 - (d) lower flammable limit (LFL). (2)
- 7 **Outline** how the improper use of electrical equipment can cause electricity to act as an ignition source. (8)
- 8 (a) Using a practical example, **give** the meaning of the term '*hazard*' in respect of fire safety. (2)
- (b) **Outline** how the following can contribute to the identification of fire hazards in a workplace:
- (i) workplace inspections; (2)
 - (ii) job/task analysis; (2)
 - (iii) talking to workers. (2)
- 9 **Outline** the content of a fire training course for fire marshals in an organisation. (8)
- 10 (a) **Give** the meaning of the following terms:
- (i) deflagration; (2)
 - (ii) detonation. (2)
- (b) **Identify TWO** common types of material that may be involved in explosions **AND**, in **EACH** case, **give** an example. (4)
- 11 **Outline** key features of a fire safety policy. (8)



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: **IFC1 – International fire safety and risk management**

Qualification: **NEBOSH International Certificate in Fire Safety and Risk Management**

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