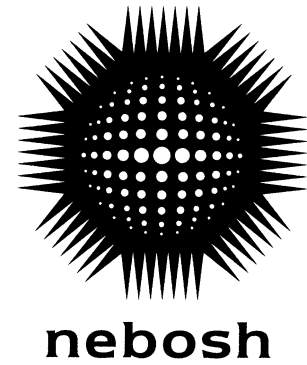


NEBOSH International Certificate in Construction Health and Safety



UNIT ICC1 - Managing and controlling hazards in international construction activities

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** Workers who use vibrating hand-held tools for long periods have reported tingling and numbness in their fingers. The workers could be suffering from hand-arm vibration syndrome (HAVS).
- (a) **Identify** further ill-health effects associated with HAVS. (4)
- (b) **Outline** what to consider when assessing the risk of HAVS. (8)
- (c) **Outline** precautions that could be taken in order to help reduce the risk to the workers. (8)
- 2** A hoist is to be used to move plasterboard from the ground to the upper floors of a building.
- Outline** control measures to help reduce risks during the operation of the hoist. (8)
- 3** (a) **Identify** possible effects of a severe electric shock on the body. (4)
- (b) **Identify** emergency action that should be taken if a person suffers a severe electric shock. (4)

- 4 **Outline** reasons why a wheeled excavator may overturn on a construction site. (8)
- 5 **Outline** control measures that could help reduce the risk of injury when using a pedestal drill. (8)
- 6 **Outline** control measures that could be used to help reduce the risks to pedestrians on a construction site. (8)
- 7 **Outline** topics that should be considered for a construction site induction. (8)
- 8 A bridge is to be constructed over a fast flowing tidal river to carry highway traffic. Work will be carried out from the shore and on supporting columns located in the river.
- Outline** what should be considered when developing emergency arrangements for work that is to be carried out over water. (8)
- 9 **Outline** control measures for excavation work. (8)
- 10 During the construction of any building or structure, fire presents a significant risk.
- Outline** ways of controlling sources of ignition on site. (8)
- 11 Construction materials such as stone, brick, tile and concrete contain silica, which produces hazardous silica dust.
- (a) **Identify** construction activities that may expose workers to silica dust. (5)
- (b) **Identify** health risks associated with exposure to silica dust. (3)



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: **ICC1 – Managing and controlling hazards in international construction activities**

Qualification: **NEBOSH International Certificate in Construction Health and Safety**

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