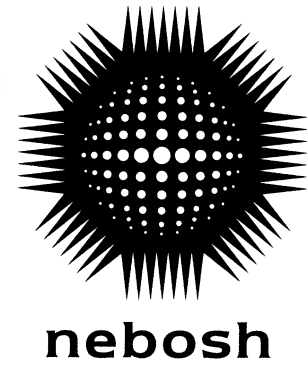


NEBOSH National Certificate in Construction Health and Safety

UNIT NCC1 - Managing and controlling hazards in 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** Scaffold contractors are employed to erect independent tied scaffolds on a regular basis. The scaffold tubes are connected together by couplers. Following complaints of ill-health from the scaffolders, managers are concerned about their scaffolders developing work-related upper limb disorders (WRULDs).
- (a) **Give** reasons why the scaffolders may be at risk of developing WRULDs. (5)
- (b) **Identify** ill-health effects that the scaffolders may experience from WRULDs. (5)
- (c) **Outline** control measures that could be put in place to help reduce the risk of the scaffolders developing WRULDs. (10)
- 2** **Outline** the general requirements of work equipment provided for use. (8)
- 3** A contaminated land site is to be redeveloped into a housing estate. The works will involve demolition and site clearance before the new build can take place.
- Identify** welfare facilities that should be available on this site. (8)

- 4 **Outline** control measures to help reduce the risk of injury from electricity when using portable electrical tools. (8)
- 5 The Construction (Design and Management) Regulations 2015 (CDM) require that inspections and reports for excavations are carried out by a competent person.
- (a) **Identify** when inspections should be carried out under CDM. (2)
- (b) **Identify** the statutory requirements that the competent person should comply with following the completion of an inspection. (2)
- (c) **Outline** information that the inspection report must include. (4)
- 6 **Identify** the types of work that are considered as construction work under the Construction (Design and Management) Regulations 2015 (CDM). (8)
- 7 Scaffolding has been erected to the outside of a block of high-rise flats in order to carry out window replacement and repairs to external cladding.
- Outline** what could affect the stability of the scaffold. (8)
- 8 Silica can be found in various materials used in construction. Exposure to silica dust can lead to chronic health effects such as silicosis.
- (a) **Give** the meaning of the term '*workplace exposure limit*'. (4)
- (b) **Outline** control measures that could be considered to control levels of silica dust in the workplace. (4)
- 9 A single-storey farm building is to be demolished using an excavator.
- Outline** control measures that the method statement should contain for this activity. (8)
- 10 **Identify FOUR** methods by which heat may be transferred during a fire **AND describe** how **EACH** can cause the fire to spread. (8)
- 11 **Outline** reasons why a wheeled excavator may overturn on a construction site. (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: **NCC1 – Managing and controlling hazards in construction activities**

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

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