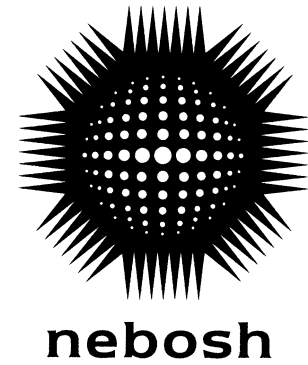


# NEBOSH National General Certificate in Occupational Health and Safety



## UNIT GC2 - Controlling workplace 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.

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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**.

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- 1** A few workers are given a day to get the furniture ready for a large new office. They use hand tools (screwdrivers, spanners and hammers) to put together the self-assembly furniture. The next day, the workers reported ill-health effects associated with work-related upper limb disorders (WRULDs).
- (a) **Identify** possible ill-health effects experienced by the workers. (5)
- (b) **Explain** why the workers may have been experiencing ill-health effects associated with WRULDs. (10)
- (c) **Outline** control measures that could have reduced the risks of WRULDs among these workers. (5)
- 2** An electrically-powered chemical pump, operating at 90°C, has developed a leak.
- Outline** control measures to help reduce risk during the repair of this item of machinery. (8)
- 3** **Outline** what should be considered so that people with sensory impairments and/or physical disabilities can safely evacuate a workplace in the event of a fire. (8)

- 4 (a) **Identify** health risks associated with exposure to silica dust. (3)
- (b) **Outline** precautions that will help reduce the risks from exposure to silica dust. (5)
- 5 **Identify** welfare facilities that should be provided for contractors during temporary construction work. (8)
- 6 (a) **Identify** the types of guard or protective device that could be fitted to a pedestal drill **AND**, in **EACH** case, **identify** the dangerous part that is being protected. (6)
- (b) *Other than* guards or protective devices, **outline** control measures that may help reduce the risk of contact with exposed moving parts when using a pedestal drill. (2)
- 7 (a) **Identify** ways of preventing contact with a live electrical conductor. (4)
- (b) **Identify** protective systems that would help reduce the risk from electric shock should a fault occur in an item of electrical equipment. (4)
- 8 **Outline** what should be considered when assessing the risk of a road traffic incident while driving at work. (8)
- 9 An independent tied scaffold is to be erected on a building in a busy town centre.
- Outline** precautions that should be taken to help reduce the risk of injury to members of the public during erection and use of the scaffold. (8)
- 10 **Identify** different types of information contained in a safety data sheet (SDS) for a hazardous substance. (8)
- 11 (a) **Identify** what may indicate a need to carry out an assessment of exposure to hand-arm vibration (HAV). (4)
- (b) **Identify** ill-health effects associated with exposure to hand-arm vibration. (4)





**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: **GC2 – Controlling workplace hazards**

Qualification: **NEBOSH National General Certificate in Occupational Health and Safety**

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