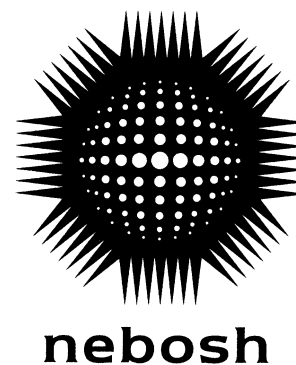


NEBOSH International General Certificate in Occupational Health and Safety



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.

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 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 International General Certificate in Occupational Health and Safety**

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