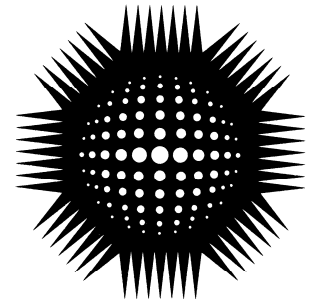


THE NATIONAL EXAMINATION BOARD IN  
OCCUPATIONAL SAFETY AND HEALTH

NEBOSH LEVEL 3 CERTIFICATE IN  
OCCUPATIONAL HEALTH AND SAFETY

UNIT NGC2: CONTROLLING WORKPLACE HAZARDS



nebosh

FRIDAY 5 JUNE 2009  
2 hours, 1400 to 1600

Answer both Section 1 and Section 2. 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.

---

**SECTION 1**

You are advised to spend about **half an hour** on this section, which contains **ONE** question.

---

- 1 Hazardous substances in the form of paints, solvents and cleaning chemicals are to be used by contractors for the internal redecoration of a public library.
- (a) **Identify FOUR** possible routes of entry of the hazardous substances into the body. (4)
- (b) **Outline** the factors to consider when undertaking an assessment of the risks to health from the hazardous substances, as required under the Control of Substances Hazardous to Health Regulations 2002. (8)
- (c) **Outline** the control measures required to reduce the risk to library employees' and members of the public's exposure to the hazardous substances. (8)
- 

**SECTION 2**

You are advised to spend about **one and a half hours** on this section, which contains **TEN** questions.

---

- 2 **Identify** the main hazards associated with excavation work on construction sites. (8)
- 3 Absorbent mats and granules have been used to soak up a chemical spillage.
- Outline** the issues that will need to be considered in relation to the removal, temporary storage and final disposal of the waste material. (8)
-

- 4 Due to the failure of automated handling equipment workers will be expected to lift boxes weighing 20kg from a conveyor and place them onto pallets ready for distribution.
- Outline** the factors that should be considered when undertaking a manual handling risk assessment of the activity. (8)
- 5 **Identify** the measures to be taken to prevent slip and trip hazards in an engineering workshop. (8)
- 6 **Give** reasons that may delay the safe evacuation of employees from a workplace during a fire. (8)
- 7 (a) **Identify TWO** types of *non-ionising* radiation **AND give** an occupational source of **EACH**. (4)
- (b) **Outline** the health effects associated with exposure to *non-ionising* radiation. (4)
- 8 **Outline** the measures an employer might consider to minimise the risk of violence against employees. (8)
- 9 **Outline** the precautions that should be taken for the routine maintenance of machinery. (8)
- 10 (a) With reference to an electrical circuit, **state** the relationship between voltage, current and resistance. (2)
- (b) **Outline** the factors that could affect the severity of injury from an electric shock received from a defective hand-held tool. (6)
- 11 A heavy load is to be lifted with a forklift truck that is fitted with an extended jib lifting aid.
- Identify** the factors to consider regarding the suitability and use of the jib lifting aid. (8)