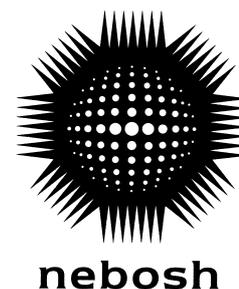


THE NATIONAL EXAMINATION BOARD IN
OCCUPATIONAL SAFETY AND HEALTH

INTERNATIONAL GENERAL CERTIFICATE IN
OCCUPATIONAL SAFETY AND HEALTH



PAPER 2: CONTROLLING WORKPLACE HAZARDS

[DATE]

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 the answer to each question on the correspondingly numbered page of the answer book.

Answers may be illustrated by sketches where appropriate.

The 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 Battery-powered fork-lift trucks are used to move materials within a warehouse.
- (i) **Describe FOUR** hazards associated specifically with *battery-powered* fork-lift trucks. (4)
 - (ii) **Outline** the precautions that may be needed to ensure the safety of pedestrians in areas where the fork-lift trucks are operating. (8)
 - (iii) **Outline EIGHT** rules to follow when a fork-lift truck is left unattended during a driver's work break. (8)
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SECTION 2

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

- 2 **Outline** the factors that may lead to unacceptable levels of occupational stress amongst workers. (8)
- 3 (a) **Explain**, using a suitable sketch, the significance of the 'fire triangle'. (4)
- (b) **List FOUR** types of ignition source that may cause a fire to occur, giving a typical workplace example of **EACH** type. (4)

- 4 (a) For **EACH** of the following types of non-ionising radiation, **identify** a source and **state** the possible ill-health effects on exposed individuals:
- (i) infrared radiation (2)
 - (ii) ultraviolet radiation. (2)
- (b) **Identify** the general methods for protecting people against exposure to non-ionising radiation. (4)
- 5 **Outline** the hazards that might be encountered by staff working in a busy hotel kitchen. (8)
- 6 **Outline** a range of checks that should be made to ensure electrical safety in an office environment. (8)
- 7 (a) **Outline** the principles of the following types of machine guard:
- (i) fixed guard (2)
 - (ii) interlocked guard. (2)
- (b) **Identify TWO** advantages and **TWO** possible disadvantages of a *fixed* machine guard. (4)
- 8 **Outline** the factors to be considered in the selection and use of personal head protection at work. (8)
- 9 (a) **List TWO** types of injury that may be caused by the incorrect manual handling of loads. (2)
- (b) **Outline** a good handling technique that could be adopted by a person required to lift a load from the ground. (6)
- 10 (a) **Explain** the meaning of the term 'hazard'. (2)
- (b) **Outline** the main hazards that may be present during the demolition of a building. (6)
- 11 **Identify** the ways in which accidents may be prevented when using ladders as a means of access. (8)