



BSC Awards International Diploma in Occupational Safety and Health

Unit 1 Examination

Specimen Examination Question Paper 2008

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until the invigilator tells you to do so.

You are allowed **3 hours** to complete this examination.

There are two parts to this paper:

Part A has one question worth a total of 20 marks.

Part B has eight questions each worth 10 marks (80 marks).

Answer ALL questions.

Marks for part questions are shown in square brackets.

Your answers should include reference to relevant legislation and examples from the workplace wherever appropriate.

Write your answers in the answer booklet provided using a black or blue pen.

Part A

- 1 You are the health and safety manager for a small manufacturing company that performs a variety of assembly line work. Due to the fine motor skills that are required the company has found that female employees perform this type of work more effectively.



Following recent drops in profit margins, the company has decided to employ a substantial number of contract and agency staff. The full-time employees are concerned about this situation, particularly as the temporary staff appear to be by-passing the safety induction procedures. A former employee, who was recently sacked, has made a complaint.

Your Personnel Manager wants to protect the company, but also wants to ensure that full staffing levels are maintained. She has therefore asked you brief her on the relevant health and safety risks, systems and actions that should be taken into account in demonstrating that the company is effectively managing the issues outlined above.

- (a) **Describe** the nature and scale of the health and safety risks as they potentially impact on individuals and the company. [10]
- (b) **Describe and justify** the risk control regimes that the company should have in place to prevent or minimise the chance of this situation escalating. [10]

Part B

- 2 **Explain** why accidents and near misses should be reported and investigated. [10]
- 3 With reference to a workplace that would require an emergency plan, **describe** and **explain**:
- (a) how you would develop the plan;
 - (b) how you would communicate the plan;
 - (c) how you would review the plan. [10]
- 4 With reference to one or more types of machine, **describe** the risks associated with rotating parts and **explain** how these risks can be reduced. [10]
- 5 You are the health and safety manager of a new building. **Describe** and **explain** how you would establish a system for the prevention, detection and control of fire. [10]
- 6 (a) **Outline** the information normally needed on a permit-to-work.
- (b) **Give THREE** examples of situations where a permit-to-work would be issued. **Explain** how permit-to-work systems can contribute to the prevention of accidents at work. [10]
- 7 (a) **Explain** what is meant by the term 'confined space working'. [2]
- (b) **Explain** how risks might arise in such a situation. [3]
- (c) **Outline** how these risks could be controlled. [5]
- 8 A small business employs former nurses to provide basic nursing and welfare support for the elderly and infirmed. Scheduled visits are carried out from 0700 to 1800 with additional 24 hour emergency cover. The nurses drive to all parts of the city to visit clients.
- Describe** the system you would put in place to ensure the health, safety and welfare of these lone workers. [10]

- 9 (a) **Explain** what influences the severity of an electric shock. [6]
- (b) **Identify** and **explain** one physical control and one management control for risks arising from electricity. [4]