



## **BSC Level 6 Diploma in Occupational Safety and Health**

### **Unit 2 Examination**

**Tuesday 13 October 2009**

**2.00pm – 4.30pm**

#### **INSTRUCTIONS TO CANDIDATES**

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

You are allowed **2 hours 30 minutes** to complete this examination.

There are ten questions in this paper each worth 10 marks (100 marks).

**Answer ALL questions.** The questions may be answered in any order.

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.

You may make notes on this question paper, in the answer booklet or on separate sheets of paper, but any notes you make must be handed in at the end of the examination.

- 1 a) **Outline** the main health hazards for new and expectant mothers. [4]
- b) An employee has just announced she is pregnant. With reference to **ONE** of the hazards outlined in **part (a)**, **describe** the responsibilities of her employer. [6]
- 2 A non-ferrous scrap metal company recycles a variety of lead-based products. Techniques include cutting, burning and melting of the scrap. **Describe** the main health hazards associated with this work and **outline** the main duties under the Control of Lead at Work Regulations 1998. [10]
- 3 **Outline** the contents of a suitable checklist to demonstrate the effective management of legionella bacteria in a water system. [10]
- 4 a) **Outline** the main requirements of the EU Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulations 2006. [4]
- b) **Describe** the steps you would take to ensure compliance with the REACH Regulations 2006. [6]
- 5 a) **Outline** the locations where asbestos might be encountered in a building. [5]
- b) An electrician is planning to carry out some minor work in a building suspected to contain asbestos. **Outline** the factors that should be considered when undertaking a risk assessment for this work. [5]
- 6 With reference to named techniques, **describe** the benefits of an effective health surveillance programme. [10]
- 7 A local council has noted a significant rise in musculoskeletal disorders in its garden and estates division. **Outline** the possible injuries and **describe** how these can be effectively prevented and managed. [10]

- 8 a) **Outline** the measurements and legal limits used to assess hand-arm vibration. [6]
- b) An employee works a maximum of four hours a day using an industrial chain saw. **Describe** how the HSE Ready Reckoner (Figure 1 on separate sheet) can be used to calculate their exposure to vibration. [4]
- 9 a) **Identify FOUR** ways in which heat is lost from the human body. [4]
- b) **Outline** the main parameters used to measure exposure to heat and cold. [6]
- 10 a) **Outline FOUR** emergency situations that could lead to significant exposure to a substance hazardous to health. [4]
- b) **Outline** a suitable emergency response plan to address **ONE** of the situations outlined in **part (a)**. [6]