



Question Paper

Module 1:	Safety, Health and Hygiene	
Date:	Time:	Duration:
3 May 2016	09:30 – 11:30	2 Hours

You should have the following for this examination: **one answer book; pencil, pen and ruler.**

All questions carry equal marks. The maximum marks for each section within a question are shown. Answer **ALL EIGHT** questions, starting each new question (1-8) on a **new** page in the answer book.

1.
 - a)
 - i) Explain the term “accident” in relation to health and safety. (1 mark)
 - ii) List TWO reasons for reporting an accident. (1 mark)
 - b) List SIX examples of major injuries that must be reported to the Health and Safety Executive (HSE). (3 marks)
 - c) Under the UK’s Health and Safety at Work Act, list SIX legal responsibilities of employers. (3 marks)
 - d) Describe briefly the terms “Civil Law” and “Criminal Law”. (4 marks)

2.
 - a)
 - i) List FOUR confined spaces found in a flour mill. (2 marks)
 - ii) Explain TWO hazards that may arise when work is carried out in a confined space. (4 marks)
 - b)
 - i) List FOUR hazards associated with electricity. (2 marks)
 - ii) Describe briefly FOUR different types of systems that may be used to protect people, plant and premises from electrical hazards. (4 marks)

3.
 - a) List FOUR maintenance areas where high risks are present in milling. (2 marks)
 - b) Describe briefly SIX types of injury associated with manual handling. (6 marks)
 - c) Describe briefly FOUR high risk activities where another person may need to be present to take appropriate emergency actions. (4 marks)

continued overleaf

4. a) i) Sketch and label the 'Dust Explosion Pentagon'. (3 marks)
 ii) Explain the term 'explosive atmosphere'. (1 mark)
- b) Describe briefly the SIX components in a Local Exhaust Ventilation (LEV) system. (6 marks)
- c) List FOUR diseases which can be caused by exposure to asbestos. (2 marks)
5. a) Describe briefly THREE requirements of the UK's Working at Height Regulations. (3 marks)
- b) List FOUR slip and trip hazards which may be present in a flour mill. (2 marks)
- c) List FOUR operations associated with workplace transport activities that must have a planned safe system of work. (2 marks)
- d) Describe briefly the FIVE elements identified by the waste hierarchy model. (5 marks)
6. a) i) Define the term "as far as is reasonably practicable" in relation to risk assessment. (2 marks)
 ii) List FOUR factors which should be considered when assessing risk to new and expectant mothers. (2 marks)
 iii) List SIX benefits of implementing a risk assessment programme. (3 marks)
 iv) List the FIVE steps to risk assessment based on the HSE model. (3 marks)
- b) Define the term 'safe system of work'. (2 marks)
7. a) i) Describe briefly FOUR types of Personal Protective Equipment (PPE). (4 marks)
 ii) Describe briefly THREE duties of employees in relation to PPE. (3 marks)
- b) State the colour, shape and meaning of the FIVE types of safety sign. (5 marks)
8. a) i) Name the TWO main rodent pests found in flour mills and describe briefly the damage they may cause. (4 marks)
 ii) List FOUR ways insects and mites can enter a flour mill. (2 marks)
- b) State the THREE main requirements for food safety according to the UK's Food Safety Act. (3 marks)
- c) i) List THREE basic principles behind a good system of hygiene in a flour mill. (2 marks)
 ii) Describe briefly any ONE of the principles you have listed. (1 mark)