



Question Paper

Module 1:	Safety, Health and Hygiene	
Date: 2 May 2017	Time: 09:30 – 11:30	Duration: 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) List **THREE** costs that are not recoverable through insurance following an accident or incident. (3 marks)
 - b) Under the UK's Health and Safety at Work Act, describe briefly the legal responsibilities of:
 - i) People in control of work premises; (1 mark)
 - ii) The self-employed; (1 mark)
 - iii) Designers, manufactures, suppliers and installers. (2 marks)
 - c) List **THREE** dangerous occurrences which must be reported to the Health and Safety Executive (HSE). (3 marks)
 - d) Describe briefly any **TWO** reasons why all accidents, incidents and near misses should be investigated. (2 marks)
2.
 - a)
 - i) List the **FOUR** types of hazard category associated with moving machinery. (2 marks)
 - ii) For **EACH** type, give an example of the machinery which may be involved and the type of injury which may be sustained. (8 marks)
 - b) List **TWO** characteristics of electricity which make it one of the most dangerous hazards encountered at work. (2 marks)
3.
 - a) Describe briefly **THREE** reasons why young people may be at risk of injury in the first six months of commencing employment. (3 marks)
 - b) List **EIGHT** pieces of UK legislation which require specific risk assessments to be carried out. (4 marks)
 - c) Describe briefly **FOUR** activities which aid hazard spotting as part of the risk assessment process. (4 marks)
 - d) Define the term "control measure" in relation to risk assessment. (1 mark)

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4. a) Sketch and label the 'Dust Explosion Pentagon'. (3 marks)
- b) i) Describe briefly the purpose of local exhaust ventilation (LEV) in relation to flour milling. (2 marks)
- ii) Sketch and label the component parts of a typical LEV system commonly located in mills. (7 marks)
5. a) Explain SIX objectives of a Permit to Work system. (6 marks)
- b) Define the term "safe system of work". (2 marks)
- c) List TWO duties of employees in relation to Personal Protective Equipment (PPE). (1 mark)
- d) Outline THREE categories into which risk control measures can be divided. (3 marks)
6. a) i) Define the term "statutory nuisance" in relation to the environment. (2 marks)
- ii) Describe briefly THREE business benefits of good environmental management. (3 marks)
- iii) List SIX ways in which the milling industry interacts with the environment. (3 marks)
- b) Describe briefly FOUR actions that can be taken to eliminate or control exposure to noise. (4 marks)
7. a) Describe briefly TWO rodent pests which may be present in a mill. (2 marks)
- b) i) List FOUR primary insect pests of wheat and wheat products. (2 marks)
- ii) In relation to the spout floor of a mill, outline THREE potential sites of insect infestation. (3 marks)
- c) Describe briefly the FIVE elements to be considered when developing a mill cleaning schedule. (5 marks)
8. a) i) Describe briefly TWO precautions that must be taken to prevent falls from height. (2 marks)
- ii) List FOUR examples of working at height activities undertaken in the milling industry. (2 marks)
- b) Explain the term "lock out – tag out (LOTO)". (2 marks)
- c) List FOUR requirements for the safe use of portable electrical equipment. (2 marks)
- d) Describe briefly the FOUR main diseases which can be caused by exposure to asbestos. (4 marks)