



JUNE 2016

WORKING PRACTICES, HAZARDS & CONTROLS

**Instructions to candidates:**

- a) Time allowed: Three hours (plus an extra ten minutes' reading time at the start – do not write anything during this time)
  - b) Answer any FIVE questions
  - c) All questions carry equal marks. Marks for each question are shown in [ ]
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- 1.
    - a) State what the Confined Spaces Regulations 1997 are concerned with. [5]
    - b) Define what is meant by **specified risk**, in relation to confined spaces. [5]
    - c) Appraise the general conditions to assess the area, which will form the basis of a safe system of work for confined spaces. [10]
  - 2.
    - a) Suggest what the employer must ensure happens in workplaces where dangerous substances are present or could be present. [10]
    - b) Define what DSEAR regulations mean by '**dangerous substance**'. [2]
    - c) What is meant by the term '**explosive atmosphere**'? [2]
    - d) Explain what an explosive atmosphere, in the workplace, actually means. [6]
  - 3.
    - a) Describe methods of protection obtained from ionising radiation. [6]
    - b) Identify other measures that can be applied to support your answer to a). [8]
    - c) Outline the main aim of the Ionising Radiations Regulations 1999 (IR99). [6]
  - 4.
    - a) List THREE operations required in the organisation of lifting operations. [3]
    - b) Specify the general requirements for all lifting operations. [8]
    - c) Assess the hazards associated with the use of fork-lift trucks. [9]
  - 5.
    - a) Explore the precautions employers can put into place to reduce issues of eye strain and sore eyes from using DSE. [14]
    - b) Discuss the factors to be considered in a risk assessment of a DSE workstation. [6]
  - 6.
    - a) Examine the key elements of a health and safety management system in relation to slips, trips and falls. [12]
    - b) A new large retail shop is about to open. Provide in detail how slips and trips can be reduced for both customers and employees. [8]
  - 7. As part of a training course you have asked the employees to come up with a comparison of hazards and the safe operating instructions they need to know for working with the new electric drills to be issued. Write down what they should include on these lists. [20]
  - 8.
    - a) Summarise the practical safeguards under PUWER in relation to control measures. [6]
    - b) Review the levels of protection and put them in order of implementation. [8]
    - c) Consider how you can reduce the risks of someone coming into contact with mechanical hazards. [6]