



MARCH 2016

## PRINCIPLES OF CONTROL

### 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. Personal Protective Equipment (PPE) is to be used as a control measure only as a last resort.
    - a) Explain some of the basic standards that should be reached when using PPE. [8]
    - b) Review THREE types of safety eye protection and state under what circumstances they would be worn. [12]
  2. All health and safety management systems need a proper control system to follow.
    - a) Explain the THREE types of control that can be adopted in a safe system of work. [6]
    - b) Briefly discuss why a safe system of work should be properly documented. [8]
    - c) Outline the content of a method statement. [6]
  3. Potentially high risk activities usually require a permit to work.
    - a) Explain the main duties of a site manager with regard to a permit to work system. [6]
    - b) Identify the processes when a hot work permit would be required. [4]
    - c) Discuss what information a permit document will contain. [10]
  4. Fire in a workplace can be dangerous and devastating and it is essential that people can escape quickly.
    - a) When making decisions about the adequacy of the means of escape from a fire, outline what points should be considered. [8]
    - b) Review the routine procedures to be set up and made known to all employees in case of fire. [12]
  5. A building site manager has to write a report on the types of hazards and risks likely to be found on his building site. Outline the hazards and risks that he could potentially find. [20]
  6. The prevention of accidents and ill health through management systems of control should become a focus for organisations.
    - a) Explain the methods that could be used for holding people accountable for health and safety objectives. [10]
    - b) Supervisors play an important role in the organisation's responsibilities. Assess what these responsibilities could be. [10]
  7. A factory has many machines that will need to be covered by a hierarchy of control.
    - a) Briefly explain a **hierarchy of control**. [10]
    - b) Explain how engineering controls will help with the machinery in the factory environment. [10]
  8. Anyone on work premises may need medical attention at some time.
    - a) Outline what the minimum requirements would be for a small company with regard to first aid provision. [6]
    - b) Review the position of an appointed person for first aid provision. [14]