



JUNE 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. Safe systems of work are essential to keep the workforce and others safe and the organisation legal.
 - a) Give a description of a **safe system of work**. [4]
 - b) Explain what needs to be considered when devising a safe system of work. [8]
 - c) Evaluate the legal requirements of a safe system of work. [8]
 2. Employers have a duty to provide Personal Protective Equipment to employees that may be at risk from uncontrolled hazards.
 - a) A manager needs to provide Respiratory Protective Equipment (RPE) to some workers. Describe what working conditions might require RPE. [14]
 - b) Identify THREE types of breathing apparatus and summarise what they are. [6]
 3. Fire is dangerous and can be devastating to an organisation.
 - a) Outline the main consequences of a fire. [7]
 - b) State FOUR measures that could prevent a fire in an organisation. [8]
 - c) When assessing Stage 1 of a fire risk assessment, identify FIVE main hazards that should be considered. [5]
 4. To avoid an accident happening in a confined space, various suitable and sufficient arrangements must be made.
 - a) Explain the suitable and sufficient rescue arrangements that must be done. [4]
 - b) To be suitable and sufficient evaluate what the arrangements need to cover. [16]
 5. As a senior manager of a construction site, you have a duty to provide a safe work place for employees and also to protect others, for example children and intruders when the building site is unoccupied. Evaluate the security measures which must be in place when the site is open and closed. [20]
 6. You have been asked to write a procedure for a COSHH (Control of Substances Hazardous to Health) safe system of work.
 - a) Discuss the benefits for the organisation by adherence to the COSHH Regulations. [12]
 - b) Evaluate where you would look for important sources of information on the substances. [8]
 7. The use of hand tools on site for maintenance or production purposes is essential.
 - a) Explain why safety rules on hand tools that help in prevention of hazards is important. [10]
 - b) Evaluate the control measures that could be used to protect the worker when using an electric hand drill. [10]
 8. The nature of the permit-to-work will vary depending on the job and risk involved.
 - a) Identify who would issue a permit-to-work to an outside contractor and what must you ensure they know. [6]
 - b) State when you would use a permit-to-work. [8]
 - c) The employer requires the services of a specialist for a permit-to-work to operate effectively. Outline TWO types of specialist that may be required and why. [6]