



SEPTEMBER 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. In order to protect employees, an organisation has to abide by the general principles of prevention. Identify and explain the THREE accident prevention objectives. [20]
 2. A senior manager has been asked to check the safety signs around the organisation to ensure they are compliant.
 - a) State the regulation that the signs come under. [3]
 - b) Other than specific safety signs, identify other types of signs and posters that must be displayed. [6]
 - c) Describe the shape, colour, pictogramme and meaning of THREE warning signs you might see in the workplace. [11]
 3. The systems of work methods for entering a confined space must be suitable and sufficient before anyone starts work.
 - a) Explain what arrangements should be considered for rescuing employees and what these arrangements must do. [4]
 - b) To be suitable and sufficient identify what the arrangements will need to cover. [16]
 4. The health and safety advisor is writing a procedure for a COSHH (Control of Substances Hazardous to Health) safe system of work. Discuss where they would look for information on the substances used and their properties. [20]
 5. Under the 'Duty of Care' an employer has to prevent employees getting hurt by machinery. A hierarchy of control may be used to prevent access to dangerous parts of machinery.
 - a) Identify which regulation this would come under. [2]
 - b) Give the definition of the term '**dangerous parts of machinery**'. [2]
 - c) State what levels of mechanical protection could be used to prevent exposure to the dangerous parts of machinery. [6]
 - d) Determine other procedures and precautions that will be required for exposure reduction. [10]
 6. Explain why it is important to have roll calls and assembly points when an emergency takes place in an organisation and identify what needs to be done. [20]
 7. A customer has demanded that their work is finished by the end of the month. Summarise how a manager needs to balance these demands with the actions required to protect the health and safety of his employees and how this can be achieved. [20]
 8. A senior manager is required to assess the emergency procedures as it is an important part of the health and safety arrangements of the organisation.
 - a) Determine under which regulation these procedures must be established. [2]
 - b) Explain what should be checked under Stage 5 of a risk assessment for fire procedures. [4]
 - c) A senior member of the health and safety team should co-ordinate all emergency situations. Discuss the precautions that should be established. [14]