



PRINCIPLES OF CONTROL

Thursday 8th December 2022

Time allowed

Three hours

Instructions

- Ensure that you pay particular attention to words in **bold**.
- Write the question number next to each answer in your answer booklet.
- You are **not** required to rewrite the question in your answer booklet.

Information

- Different questions may carry a different number of marks.
- Marks for each question are shown in [].

Advice

- Read each question carefully before you start to answer it.
- Use the full time permitted and check all your answers.

Materials

- Notes or books are **not** permitted.
- Non-programmable calculators are permitted.



ICM

ANSWER ANY FIVE QUESTIONS FROM THE FOLLOWING EIGHT QUESTIONS

1. State the contents of an effective checklist for use in the preparation of safe systems of work. [20 marks]
2. (a) Explain what is meant by a 'permit to work procedure'. [3 marks]
(b) Describe the contents of a typical 'permit to work' document. [9 marks]
(c) Describe the **eight** principles to which permit systems must adhere. [8 marks]
3. Personal Protective Equipment (PPE) is the last resort in the hierarchy of control. Describe employers' responsibilities under the Personal Protective Equipment at Work Regulations 1992 as amended 2002, including information, instruction and training. [20 marks]
4. (a) Explain the importance of written procedures for safe systems of work. [4 marks]
(b) Describe the requirements for effective written procedures for safe systems of work. [6 marks]
(c) Discuss the role of communication and training in safe systems of work. [10 marks]
5. A new construction site requires safety signage. Flammable liquids and dangerous chemicals will be stored on site. Suggest **ten** essential safety signs which must be displayed at the construction site, including reasons for your suggestions. [20 marks]
6. A new staff member will be the nominated supervisor and co-ordinator for all emergency arrangements within an organisation. Suggest the training requirements for the staff member. [20 marks]
7. Employers have to put in measures for safe working under the hierarchy of control.
(a) Explain what is meant by a 'safe system of work', including its importance and requirements for training. [10 marks]
(b) Define what is meant by the term 'reduced time exposure' in the context of health and safety. [2 marks]
(c) Explain ways to reduce time exposure to employees. Use examples of health hazards which require reduced time exposure to support your explanation. [8 marks]
8. (a) Explain what is meant by a 'competent person' in the context of health and safety, including who can be appointed to this role within organisations. [8 marks]
(b) Explain the roles of the following in developing safe systems of work:
 - Competent person(s)
 - Employees [12 marks]

END OF QUESTIONS