



# ICM

SEPTEMBER 2016

WORKING ENVIRONMENT & OCCUPATIONAL HEALTH

**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. The senior manager has confirmed that asbestos has been found and needs to be removed.
    - a) Evaluate the procedures that will need to be put in place and checked before work can begin. [6]
    - b) Determine the legislation and standards that are required to be followed. [8]
    - c) Explain what precautions need to be considered when preparing the affected work area. [6]
  - 2. The organisation has a responsibility towards its employees whilst driving company vehicles.
    - a) Explain the elements that have to be considered relating to vehicle condition and safety equipment. [7]
    - b) Discuss FOUR distractions that could cause a driver to have an accident. [4]
    - c) Evaluate the elements of training company drivers. [9]
  - 3. The organisation has to provide health surveillance for those employees exposed to hazardous environments.
    - a) Consider the measures an organisation can take before input from a specialist professional health advisor. [10]
    - b) Under legislation certain duties are imposed on the employers. Outline which legislation and the duties that are required. [10]
  - 4. There are many types of illnesses that an employee may be exposed to within a workplace.
    - a) Describe EIGHT possible causes of ill health that could be found. [8]
    - b) Determine what employees can do to protect themselves with personal hygiene. [12]
  - 5. A senior manager has been asked to set up a canteen in the workplace using typical installations which are used in the cooking processes. Discuss briefly what should be considered to reduce the risk of fire from cooking processes. [20]
  - 6. An organisation has a considerable amount of electrical equipment on site. As a manager, you have to examine the possible causes of an electrical fire or explosion in the work environment. Explain what possible causes you would check. [20]
  - 7. A woodwork shop is very dusty, with employees complaining of illness from wood dust and fumes.
    - a) Briefly explain the difference between local exhaust ventilation and dilution ventilation. [6]
    - b) The Control of Substances Hazardous to Health (COSHH) regulations require testing of ventilation. Comment on how often this should be done and what could cause the ventilation to be ineffective. [14]
  - 8. Vibration from equipment and machinery can affect different parts of the body in many different ways, which can be debilitating for the employee affected.
    - a) Discuss what effect and symptoms Hand-Arm Vibration Syndrome (HAVS) injuries can cause within the body. [5]
    - b) Assess the reasons why vibration levels of equipment and machines may be higher than the manufacturers claim. [5]
    - c) Consider what procedures would need to be reviewed if there was an increase reported in cases of HAVS within the organisation. [10]