



ICM

JUNE 2017

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. A supervisor has to assess muscular disorders when lifting and moving equipment and stock in his department.
 - a) Give the definition of the term '**manual handling**'. [3]
 - b) The supervisor has to decide what the manual handling hazards are. List the potential hazards. [8]
 - c) The supervisor has also to consider the ill-health effects of poor ergonomics. Discuss the ergonomic design problems that can cause ill-health, as well as the injuries they can lead to. [9]
 2. A senior manager has been made aware that asbestos has been found in the workplace.
 - a) Name the THREE types of asbestos and 'colour' given and explain which are the most dangerous. [8]
 - b) Asbestos is covered under which regulation? Explain what must be done to protect employees. [8]
 - c) The manager must also consider asbestos training for employees. Discuss the subjects to be included in this training. [4]
 3. The company uses many substances which can cause serious ill health to employees if they become exposed to them.
 - a) Discuss the measures that managers can take to assess exposure before using information and input from experts. [5]
 - b) Review the benefits that can be gained for both the employer and employees by following the Control of Substances Hazardous to Health (COSHH) Regulations. [12]
 - c) Outline the monitoring that would be required under the COSHH regulations. [3]
 4. Managers are concerned that employees are not able to operate the controls of a piece of electrical equipment correctly or safely.
 - a) State the TWO regulations this would come under. [6]
 - b) To prevent an accident happening whilst using the equipment, summarise some of the equipment control design features that would be present. [14]
 5. A new company is being set up, and the director is looking up the welfare facilities that are required for new employees.
 - a) State the name of the regulation he is required to look at. [2]
 - b) Review the working environment facilities that should be considered to help ensure employee welfare. [10]
 - c) Describe what is required for waste materials and waste disposal under the regulations the director must follow. [8]
 6. Examine the preventative and precautionary measures used to control the ergonomic ill health effects of hand-arm and whole-body vibration in the workplace. [20]
 7. Senior managers are concerned about substance misuse and how it affects employees in the workplace.
 - a) Review THREE problems that substance abuse can cause for the company. [6]
 - b) How can senior managers take action to help reduce the problem of substance misuse in the workplace? [14]

continued overleaf

8. A transport manager has to consider occupational driving risks as part of his job.
- a) Explain the considerations he has to give to planning a journey with regard to scheduling and time management. [14]
 - b) Discuss what he should include in a transport risk assessment. [6]