



JUNE 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. Violence at work is sometimes dangerous and certainly unpleasant and unwanted.
 - a) Give a definition of **violence at work**. [3]
 - b) Examine what employers can do to help lessen the threat to their employees. [8]
 - c) Discuss what action employers can take in dealing with violence. [9]

 2. There must be adequate arrangements in place to ensure that the working environment is safe to work in.
 - a) State which legislation covers the working environment. [2]
 - b) Identify the subjects covered within this legislation under health and safety. [8]
 - c) Outline other factors covered by this legislation. [10]

 3. A manager needs to ensure asbestos work on site is carried out correctly.
 - a) Determine the standards that will be required. [8]
 - b) Evaluate the procedures for doing the work that will be required. [6]
 - c) Explain what procedures need to be considered when preparing the affected work area. [6]

 4. Vibrating machinery can produce many risks to the health of employees.
 - a) Discuss the work processes that can cause hand-arm vibration syndrome (HAVS). [12]
 - b) Explain why vibration readings on machinery may be a higher value than the manufacturer's state. [5]
 - c) Specify THREE procedures that would have to be checked if an accident or incident happened using the equipment. [3]

 5. An occupational health nurse for a large manufacturer has to undertake health surveillance of all the employees within the factory.
 - a) Explain why health surveillance is undertaken in the factory. [10]
 - b) Some of the raw materials and chemicals are hazardous. Outline where the nurse would find details of these substances. [4]
 - c) Identify THREE examples of processes where health surveillance will be required. [6]

 6. An employer needs to set up a night shift to help production within the organisation. Assess what information they would need to check so that those employed would be classified as night workers. [20]

 7. Work related ill health conditions can cause severe or debilitating health effects on employees.
 - a) Define TWO possible health effects of exposure to occupational ill health. [4]
 - b) Explain why wood dust is dangerous to asthma sufferers. [6]
 - c) Describe the main symptoms of asthma. [10]

 8. Electricity is used in every factory, workshop and office and although efficient and convenient it is potentially very hazardous.
 - a) State which TWO regulations electrical equipment comes under. [4]
 - b) Give the definition of a **competent electrical person**. [10]
 - c) Explain the difference between maintenance and inspection with regard to electrical equipment. [6]