

NGC2 QUESTIONS

1. There has been an increase in the number of cases of occupational stress reported in a large organisation.
 - (a) **Identify FOUR** behavioural symptoms of occupational stress. **(4)**
 - (b) **Outline** factors that could lead to occupational stress. **(8)**
 - (c) **Outline** the control measures that could be taken to minimise the risk of occupational stress. **(8)**
2. (a) **Identify** the significance of the 'fire triangle'. **(4)**
 - (b) **Identify TWO** methods of heat transfer **AND state** how **EACH** can cause the spread of fire in work premises. **(4)**
3. **Identify** the precautions that could be taken to reduce the risk of injury when using stepladders. **(8)**
4. (a) In relation to machine safety, **outline** the principles of operation of:
 - (i) interlocked guards; **(2)**
 - (ii) trip devices. **(2)**
5. An industrial washing machine has been installed on a concrete floor of a factory in order to clean employees' work clothes. When the machine is in use, employees are exposed to excessive noise levels that are emitted from the machine.
 - (a) **Identify FOUR** possible effects on the health of the employees from long-term exposure to the noise. **(4)**
 - (b) **Outline** the practical measures that could be taken to reduce the levels of noise to which the employees are exposed. **(4)**
6. A storeman is required to place boxes of metal components by hand onto shelved racking.
 - (a) **Identify FOUR** types of injury to which the storeman may be at risk while carrying out this operation. **(4)**
 - (b) **Identify** the factors in relation to the **task** that will affect the risk of injury. **(4)**
7. An engineering company has noticed a recent increase in work-related ill-health amongst the shop floor workers who use a degreasing solvent for which a workplace exposure limit (WEL) has been assigned.
 - (a) **Explain** the meaning of the term '*workplace exposure limit*'. **(2)**
 - (b) **Give** possible reasons for the increase in work-related ill-health amongst the shop floor workers. **(6)**

8. (a) **Identify** the possible effects of electricity on the body. **(4)**
- (b) **Outline** the emergency action to take if a person suffers a severe electric shock.
9. (a) **Identify FOUR** hazards associated with the use of photocopiers.
- (b) **Outline** the precautions that should be taken to reduce the risks to health and safety of photocopier users.
10. An automated piece of equipment designed to lift boxes weighing 20kg from conveyor and place them on to pallets has failed and is likely to be out of action for several weeks. During this time, the task will be carried out manually.
- (a) **Outline** the factors that should be considered when undertaking a manual handling assessment of the activity. **(8)**
- (b) **Outline** the measures that may be needed in order to reduce the risk of injury to employees carrying out the manual handling activity. **(12)**
11. **Outline** the particular hazards that may be present during the demolition of a building. **(8)**
12. (a) **Outline** the possible risks to health associated with the use of display screen equipment (DSE). **(4)**
- (b) **Identify** the features of a suitable seat for use at a DSE workstation. **(4)**
13. **Outline** the precautions necessary for the safe storage and handling of small containers of flammable solvents. **(8)**
14. (a) With respect to health effects on the body from a hazardous substance, **explain** the meaning of:
- (i) an acute effect; **(2)**
- (ii) a chronic effect. **(2)**
15. With respect to the use of portable electrical appliances in the workplace, **identify EIGHT** examples of faults and bad practices that could contribute to electrical accidents. **(8)**
16. A company produces a range of solid and liquid wastes, both hazardous and non hazardous. **Outline** the arrangements that should be in place to ensure the safe storage of the wastes prior to their collection and disposal. **(8)**
17. **Outline** the means by which the risk of accidents from reversing vehicles within a workplace can be reduced. **(8)**
18. **Identify** the measures that should be adopted in order to protect against the dangers of people and/or materials falling from a mobile tower scaffold. **(8)**

