



# NEBOSH Certificate NGC2/3

## Work equipment hazards and control

### Revision questions

- Q1** Remembering that the six-pack falls under the umbrella of The Health and Safety at Work Act 1974 with The Management of Health and Safety at Work Regulations 1999 occupying a role which we described as 'first amongst equals', sketch a figure showing the relationship between the six-pack and HASAWA.
- Q2** How is work equipment defined, give some examples.
- Q3** Describe the circumstances which would link PUWER 98 and RIDDOR.
- Q4** Describe, giving examples, what is meant by 'mobile work equipment', MWE.
- Q5** As far as the main requirements of PUWER 98 are concerned, make brief notes under each of the following headings:
- PUWER 98 regulation 4 suitability of work equipment
  - PUWER 98 regulations 5, 6, 23 maintenance operations and inspection
  - PUWER 98 regulation 7 specific risks, regulation 12 protection against specified hazards
  - PUWER 98 regulations 8, 9 information and training
  - PUWER 98 regulation 11 dangerous parts of machinery
  - PUWER 98 regulation 13 high or very low temperature
  - PUWER 98 regulations 14–18 control systems: start, stop, emergency stop
  - PUWER 98 regulation 19 isolation from sources of energy
  - PUWER 98 regulation 20 stability
  - PUWER 98 regulation 21 lighting
  - PUWER 98 regulations 23, 24 markings, warnings
- Q6** Briefly outline some of the legal requirements which apply specifically to MWE.
- Q7** In developing a training programme which will satisfy the needs of PUWER, three particular aspects of work will need to be addressed - what are they?
- Q8** When developing the training programme, what factors will need to be considered as far as the needs of individual workers are concerned?
- Q9** How can you define the motion of machinery parts?
- Q10** There are various different ways of classifying the mechanical hazards associated with machinery motion; in our study material we have chosen to use a common classification which divides mechanical hazards in eight categories; the first is entanglement, can you remember the other seven?

... continued ...





**Q11 Provide definitions for the following terms (some of which you have defined in NGC1/1):**

- *machinery*
- *hazard*
- *risk*
- *safeguard*
- *guard*
- *safety device*
- *safe working practice or safe system of work*
- *interlock*
- *failure to danger*
- *failure to safety (the preferred term is now 'failure to minimal danger')*
- *integrity*

**Q12 Outline the hierarchy of control which is appropriate for machine safety.**

**Q13 Matching Shakespeare's seven ages of man, we came up with the eleven stages in the life of a machine - what are they, starting with the design of the machine?**

**Q14 The selection of guards forms one step in the hierarchy of control of machines - what is the common aide-memoire used to show the order of preference for the selection of guards? You should be able to provide examples of the various types of guard.**

