

Revision questions for NGC2 element 4

Question 1 How is 'work equipment' defined, give some examples.

Question 2 Describe the circumstances which would link PUWER 98 and RIDDOR.

Question 3 Describe, giving examples, what is meant by 'mobile work equipment', MWE.

Question 4 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

Question 5 Briefly outline some of the legal requirements which apply specifically to MWE.

Question 6 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?

Question 7 When developing the training programme, what factors will need to be considered as far as the needs of individual workers are concerned?

Question 8 How can you define the motion of machinery parts?

Question 9 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?

Q10 Provide definitions for the following terms (some of which you first saw 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



Question 11 Outline the hierarchy of control which is appropriate for machine safety.

Question 12 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?

Question 13 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.

