

Revision questions for NGC2 element 6

Another set of (examination-type) questions were given at the end of the NGC2/6 study material - make sure that you attempt these as well as the revision questions which follow below.

Question 1 What are the essential elements necessary for fire to occur; explain the implications for fire control.

Question 2 Explain the terms: exothermic and oxidising.

Question 3 Briefly describe some common causes of fire.

Question 4 Describe the basic methods of heat transfer in the spread of fire

Question 5 List the four methods heat transfer by which the human body can lose heat. Which of these cannot be involved in heat gain?

Question 6 Define:

- spontaneous ignition temperature
- lower flammable limit
- upper flammable limit

Question 7 Fire detectors operate by sensing a change in one or more of three physical / environmental factors - what are they? You should also be able to briefly describe the method of operation of these detectors.

Question 8 Outline the operation of the two main types of automatic sprinkler system.

Question 9 Fires and fire extinguishers are classified as Class A–D, F. Briefly outline the characteristics of each Class. What has happened to Class E? What colour are the fire extinguishers for each Class?

Question 10 What are the six main factors to be considered when assessing a building with regard to means of escape in the case of fire?

Question 11 What is the purpose of emergency lighting?

Question 12 In the UK, fire legislation may be very broadly identified under two main categories - what are they?

Question 13 Outline the main requirements of The Regulatory Reform (Fire Safety) Order 2005 with regard to fire escape.

Question 14 Sketch a diagram of a fire notice.

Question 15 Briefly outline the factors that may be involved in causing a dust explosion; what measures may be taken to minimise the risk of such explosions?

Question 16 Outline five or six key factors in the prevention of liquid fires.

Question 17 Ditto the prevention of fires involving flammable gases.

Question 18 The HSE leaflet INDG 227 Safe working with flammable substances uses the memory aid V ... I ... C ... E ... S ... please explain.

