**NEBOSH FIRE CERTIFICATE E4 Active Learning**

**Review element E4 and then try to answer the questions below.**

1. What is the purpose of compartmentalisation? (4)

2. **Identify** practical methods of achieving compartmentation within a building. **(4)**

**3. (a) Outline the adverse effects that drilling holes into fire-resisting walls to allow service cables through and failing to fire-stop the holes may have on the fire protection within the building. (3)**

**(b) Outline others ways that the compartmentation of a building might be compromised. (5)**

4. **Explain** the factors to consider when deciding if escape routes from a building are suitable and sufficient with regard to numbers, width and travel distance. **(8)**

5. Outline why a fire resisting door may fail to provide adequate protection in the event of a fire (8)

6. Outline the items you would check on a fire door to identify if it is likely to provide the protection needed (8)

7. **Outline** where emergency lighting should be fitted in a workplace. **(8)**

8. What specific actions could be implemented to assist with fire emergency evacuation procedures for people with:

* Hearing problems
* Visual impairment
* Mobility problems

9. (a) **Outline** what should be considered when determining the adequacy of fire safety signage provision in a building. **(5)**

(b) **Explain** why fire safety signage should be provided on escape routes. **(3)**

10. (a) **Identify** **FOUR** characteristics or products of a fire that automatic fire detection systems can be used to detect. **(4)**

(b) **Outline** reasons for installing an automatic fire detection system. **(4)**

11. (a) **Outline** suitable locations where portable fire extinguishers should be sited on a fire escape route. **(4)**

(b) **Outline** the type of inspections that should be undertaken to maintain portable fire extinguishers. **(4)**

12. **Explain** the requirements for ensuring that access to premises for the fire and rescue service are provided and maintained. **(8)**