

# **M505: CONTROL OF HAZARDOUS SUBSTANCES**

## **OVERNIGHT REVISION QUESTIONS – DAY 3**

1. Define primary and secondary containment.
2. Containment devices can be classified into two broad types. What are these types?
3. Describe how a “coupling device” reduces worker exposure.
4. What are the limitations of containment systems?
5. What are the SMEPAC guidelines used for?
6. The principles of containment are used in common everyday activities. What are the principles of containment that are in operation when you fill your car at a petrol (gas) station?
7. Why would pressure gauges be mounted on an isolator?
8. What are the elements that should be considered when developing a personal protective equipment (PPE) programme?
9. What hazards is respiratory protective equipment designed to minimise?
10. What are the two main types of respirators?
11. What are the general use limitations of respirators?
12. Explain the difference between gas and vapour filters (cartridges).
13. Discuss the difference between fit checking and fit testing of respirators.
14. Describe the key elements of a decontamination plan for persons wearing chemical protective clothing.
15. When evaluating glove materials, why is a product with a shorter breakthrough time sometimes given a better rating than one with a longer breakthrough time?

16. Skin creams, lotions and hand cleaners can cause some glove materials to degrade. What is the reason for this degradation?
17. What administrative measures could be adopted to reduce periods of exposure?
18. Discuss the role of maintenance and housekeeping in reducing exposure.
19. Before control measures can be properly implemented a thorough knowledge of the hazard is required. What other information should be obtained or considered?
20. Describe the types of safe working practices that should be adopted in order to minimise employee exposure to hazardous substances.