

# **M501: MEASUREMENT OF HAZARDOUS SUBSTANCES INCLUDING RISK ASSESSMENT**

## **OVERNIGHT REVISION QUESTIONS – DAY 4**

1. Where are canisters and gas sampling bags typically used for sampling?
2. What are some of the limitations of using liquid absorption techniques to collect gases and vapours?
3. What is adsorption?
4. What are some of the common adsorbent materials and what are they typically used for?
5. What is “breakthrough” when describing sorbent tubes and when is it said to occur?
6. What factors can affect breakthrough?
7. What is the typical flowrate when sampling with sorbent tubes?
8. Discuss and give an example of sampling for a mixed exposure of solid / liquid / gases and vapours.
9. What law governs the take-up of contaminants on a diffusive sampler?
10. What are the strengths and weaknesses of passive sampling techniques?
11. What are some of the advantages of direct reading instruments?
12. What are some of the disadvantages or limitations of direct reading instruments?
13. What types of direct reading instruments could be used for solvent vapours?
14. What sampling methods can be used for sampling isocyanates?
15. What are the advantages and disadvantages of direct reading colorimetric tubes (Detector Tubes)?