1. What is Direct Amplification?
2. Describe how the thermal cycler functions? Include Calibration and Maintenance.
3. What is multiplexing?
4. Explain the power of discrimination of an STR system.
5. What amplification kits are available at our laboratory for analysis?
6. What controls are used during the amplification set-up and in what order are they utilized?
7. What is the purpose of the Internal Lane Standard (ILS)in each well of the analysis plate?
8. What is the difference between an extraction blank and a reagent blank?

Quality Control:

1. The presence of exogenous DNA is a concern for a DNA laboratory. Explain the steps in place to prevent foreign DNA contamination.
2. Why is it important to perform quality control on critical reagents used in casework?