

中央警察大學 109 學年度碩士班入學考試試題

所 別：刑事警察研究所

科 目：刑事鑑識概論

作答注意事項：

- 1.本試題共 4 題，每題各占 25 分；共 2 頁。
- 2.不用抄題，可不按題目次序作答，但應書寫題號。
- 3.禁用鉛筆作答，違者不予計分。

一、Illicit drug use remains prevalent in Taiwan, and certain classes of drugs are abused at higher level even ever. Please answer the following questions.

1. What is an illicit drug?
2. Elucidate as many as you know the field test methods used by policemen at scene.
3. Why is it necessary to determine the purity of the drug exhibit (quantitative analysis)?

二、Forensic serology testing plays an important role in criminal investigation. Please answer the questions concerning forensic serology.

1. List three presumptive bloodstain testing methods.
2. Why not send biological samples straight to DNA laboratory and perform DNA typing? Give your reasons why the field testing for identifying biological stains is important.

三、手部射擊殘跡鑑定是研判一人曾否出現在槍擊現場、持握槍枝或射擊槍枝的重要依據。請詳述判定是否測得無機射擊殘跡的鑑定特徵，簡述 50 年來手部採得之無機射擊殘跡鑑定方法的演進過程，並說明各鑑定方法的優點和缺點。

四、拉曼光譜法的基本原理為何？請至少舉出三種拉曼光譜法在物證鑑定的應用類型，並說明鑑定時可能遭遇的瓶頸。