

1. Please answer the following questions: (可以用中文作答)

- 1) Attention deficit hyperactivity disorder (ADHD) and conduct disorder are common disorders in youth. Please describe their characteristic symptoms or signs, and how to distinguish between these two disorders. (20%)
- 2) Sometime a person may fulfill both the criteria of ADHD and conduct disorder. Please discuss possible reasons for this phenomenon of comorbidity. (10%)
- 3) Suppose that longitudinal studies have shown that ADHD predicts substance use disorder at adolescence or adulthood either independently or mediated by its comorbid condition with conduct disorder. Please explain what the relation of conduct disorder to ADHD. (10%)
- 4) CNS stimulant has been the first-line medication for treating ADHD. Please explain the rationale behind using CNS stimulant for the treatment of ADHD, and why there is concern that the treatment may increase the risk for substance abuse. (10%)

2. 成癮性物質的使用是現代社會越來越重要的行為與精神科學議題，但是如何準確估計社會中有多少人使用卻不是一件容易的事。如果要進行相關的流行病學調查：

- 1) 就「物質使用」與「物質使用疾患」這兩種盛行率而言，其代表的意義為何？各有何用途？(10%)
 - 2) 就「物質使用」之調查所需的測量工具而言，有那些可用的工具，各有何優缺點？(10%)
 - 3) 如果有兩種測量方法，都不能準確得知到受試者有無使用某些成癮性物質，但是研究人員想要以實証的資料來評估兩者的差別，可用何種方式來進行？(10%)
3. 精神分裂症是嚴重的精神疾患，其病因一般相信是多重因素而且作用複雜。
- 1) 請簡述精神分裂症的臨床特徵為何？什麼是正性症狀 (positive symptoms)？什麼是負性症狀 (negative symptoms)？(10%)
 - 2) 現在由於分子遺傳技術的進展，請簡述如何使用這種技術來增加我們對於精神分裂症病因的認識？(10%)