

# 慈濟大學 109 學年度 碩博士班、博士學位學程暨碩士在職專班 招生考試命題紙

科目：毒物學

共1頁

1. 何謂毒理學？(6%) Toxin 與 toxicant 區別？(7%)
2. Compare the potency and efficacy between A and B or C and D. (12%)

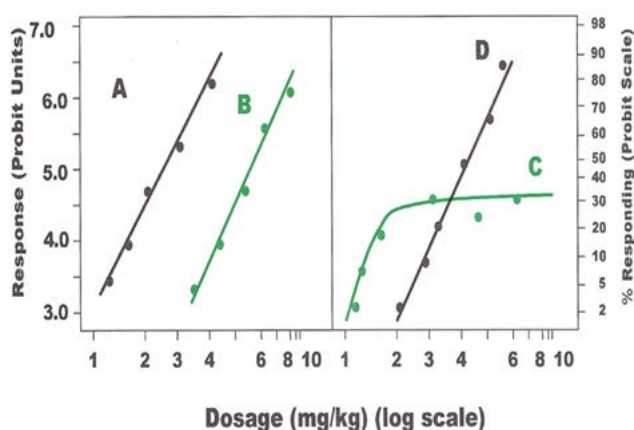


Figure 2-10. Schematic representation of the difference in the dose-response curves for four chemicals (A-D), illustrating the difference between potency and efficacy (see text).

Potency: A\_\_B; C\_\_D (> or <)

Efficacy: A\_\_B; C\_\_D (> or <)

3~7 題 4 選 3 作答

3. Please describe the risk factor, symptom and mechanism about blackfoot disease (gangrene) in Taiwan. (烏腳病成因、特徵與機轉). (25%)
4. Please describe the mechanism of hepatotoxicity and detoxification pathways of acetaminophen. (25%)
5. 請簡述你對台灣食安問題的理解與看法. (25%)
6. Please describe the mechanism of toxicity induced by paraquat (除草劑巴拉刈) or organophosphorus insecticides. (2 選 1 作答) (25%)
7. Please describe the toxic effects and possible mechanism of PM2.5. (25%)