

◎問答題：共 10 題

1. Describe opioid receptor subtypes and their functions. (10%)
2. Explain pharmacological effects of general anesthetics. (10%)
3. Demonstrate action mechanisms of sucralfate in healing gastric ulcer. (10%)
4. Describe pharmacological actions of histamine receptor antagonists. (10%)
5. Describe pharmacological actions of nitric oxide on the brain, the stomach and the blood vessels. (10%)
6. 什麼是第一期與第二期藥物代謝(Phase I and Phase II Drug Metabolism) ? 請以圖示及約 200 字作答。(10%)
7. 由神經元及心臟傳導細胞所產生的動電位(Action Potentials)有何異同? 有那些藥物能改變動電位? 試簡單說明其作用機轉。(10%)
8. 治療缺血性心臟病(Ischemic Heart Disease)及心絞痛(Angina)有那些常用的藥物? 試簡述其治療目標及各類藥物的作用機轉。(10%)
9. 試簡述由環氧酶(Cyclooxygenase)而來的那些花生四烯酸(Arachidonic Acid)代謝物及其生理作用? NSAID 類藥物的藥理作用與它們有何關係? 並討論選擇性及非選擇性環氧酶 II 抑制劑(Selective COX II Inhibitors)的優缺點。(10%)
10. 那些是常用於更年期後骨骼疏鬆(Postmenopausal Osteoporosis)治療的藥物? 其作用機轉為何? 什麼是選擇性雌激素受體調節劑(Selective Estrogen Receptor Modulators)? 其可能作用機轉為何? 在治療上較傳統藥物有何優點? (10%)