

本試題是否可以使用計算機：可使用，不可使用（請命題老師勾選）

第一部份：50%

1. 試詳細說明下列各專有名詞有哪些異同(每題 4 分)
 - A. Pharmacokinetic & Pharmacodynamic
 - B. Partial agonist & Inverse agonist
 - C. Ligand-gated channels & Voltage-gated channels
 - D. Ionotropic receptors & Metabotropic receptors
 - E. Early afterdepolarization & Delayed afterdepolarization
2. 何謂心律不整(Cardiac arrhythmias)?臨床上的分類如何?其治療的策略為何?現有的抗心律不整藥物有那些?若病人對於現有的抗心律不整藥物無效時,臨床醫師該怎麼處理?(10 分)
3. 何謂"止痛劑"? 臨床上常用的止痛劑可以分成那幾類?其藥理作用的機轉為何?其優缺點為何?請舉實例說明。(10 分)
4. "藥物濫用"已成為開發國家嚴重的社會問題,近來,台灣藝人"嗑藥"成為被廣為報導的一條社會新聞,請問為何這些藝人吸食大麻與古柯鹼,為何其刑責不同?請從專業的角度討論之。(5 分)
5. 何謂藥物成癮(Addiction)?其成因為何?近來,衛生單位擬提供毒癮者"合法毒品",其理由為何?請從專業的角度討論之。(5 分)

第二部份：50%

1. Schematic drawing of steps at which drugs can alter synaptic transmission. (10%)
2. Please explain autonomic and hormonal control of cardiovascular function. (10%)
3. Please discuss the sites of action of the major classes of antihypertensive drugs. (10%)
4. Please discuss the control of androgen secretion and activity, and some sites of action of antiandrogens. (10%)
5. Schematic drawing of a cardiac muscle sarcomere, with sites of action of several drugs that alter contractility. (10%)