

※ 考生請注意：本試題不可使用計算機。請於答案卷(卡)作答，於本試題紙上作答者，不予計分。

Part I : 50%

一、選擇題: (15 分，每題 5 分)

1. Mechanisms by which blood-pressure may be reduced: (5%)
 - (a) reduced cardiac output
 - (b) reduced angiotensin II levels
 - (c) increased vagal nerve activity
 - (d) decreased central sympathetic outflow
 - (e) all the above

2. The use of meperidine contaminated with MPTP will result in a Parkinson's disease-like neurotoxicity. Where is the most likely site in the brain that MPTP exerts its toxic effects? (5%)
 - (a) cerebellum
 - (b) substantia nigra
 - (c) hippocampus
 - (d) brainstem

3. Which of the following is **not** directly related to a drug toxicity of Ibuprofen? (5%)
 - (a) Nausea
 - (b) Anemia
 - (c) Muscle wasting
 - (d) Renal dysfunction

二、簡答題: (35 分)

1. Please list the major classes of antidepressant drugs and briefly describe the mechanisms of action of antidepressants. (10%)

2. Please define status epilepticus and explain how it is managed pharmacologically. (10%)

3. List 3 types of anticoagulants with different mechanisms of action and describe (15%):
 - (1) Name of the drugs (5%)
 - (2) Mechanisms of action (5%)
 - (3) Possible drug interactions and side effects (5%)

Part II : 50%

1. Please state the drug categories, characteristics, mechanisms of action and important side effects of the following drugs. (50%)

- a. Ganciclovir
- b. Gentamycin
- c. Doxycyclin
- d. Fluconazole
- e. Abacavir
- f. Gemcitabine
- g. Oxaliplatin
- h. Doxorubicin
- i. Paclitaxol
- j. Vinblastine