

題號： 458

國立臺灣大學 106 學年度碩士班招生考試試題

科目：分子生物學(A)

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※ 注意：請於試卷內之「非選擇題作答區」依序作答，並應註明作答之部份及題號。

Part I (50%)

- (A) Please describe the epigenetic effects on genetic trait, and how many epigenetic types So far we know?
(15%)
- (B) How is the process of miRNA generation from pre-miRNA? (10%)
- (C) Please describe the mechanism that *Agrobacterium tumefaciens* transfers T-DNA and integrate into plant genome. (15%)
- (D) Please describe : cis-acting element, trans-acting element, activator and repressor. (10%)

Part II (50%)

- (A) Please describe the partitioning system of single-copy plasmid, R1. (15%)
- (B) Please describe the base excision repair system in mammalian. (15%)
- (C) Please describe the eukaryotic growth factor signal transduction pathway. (20%)

試題隨卷繳回