

國立成功大學
110學年度碩士班招生考試試題

編 號： 288

系 所： 環境醫學研究所

科 目： 環境衛生

日 期： 0203

節 次： 第 2 節

備 註： 不可使用計算機

※ 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。

1. Please explain the three major methods for the exposure assessment of certain population. (12%).
2. Please describe the diseases and its causative agents which transmitted through contaminated drinking water (8%), and then give three methods to disinfect the contaminated drinking water. (6%)
3. The effect of rapid climate change has attracted global attention for many reasons. Please describe the critical challenges to Taiwan in the (1) Environment, (2) Public health (1 example for each), and briefly offer your rationales. (12%)
4. Please explain how the NO_x and Chlorofluorocarbons (CFCs) to deplete the ozone layer in stratosphere with chemical reaction formula, and how to control? (12%)
5. Design an experiment to determine the primary transmission route of SARS-CoV-2 pathogen. (20 %)
6. Which of the following has the largest mass concentration in a measurement station, PM₁₀, PM_{2.5} or PM₁? What is the reason? (10%)
7. 請問下水道清潔員工作上可能面臨的危害包含哪些? 該如何預防? (10%)
8. 試敘述永續的環境層面包含哪些面向? 請問該如何達成? (10%)