編號: 312

## 國立成功大學 104 學年度碩士班招生考試試題

系所組別:環境**醫學**研究所甲組

考試科目:環境衛生

考試日期:0212,節次:2

## 第1頁,共1頁

※ 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 define the primary standards and secondary standards of tap water quality standard? (8%) Please point out the following items which belong to primary standards or secondary standards? (8%)
  - (a) Total Bacterial Count
- (b) Odor
- (c) Arsenic
- (d) Fluoride

(e) Iron

- (f) Phenol
- (g) Total hardness
- (h) Aluminum
- 2. Please define the "POPs"? (6%) And list eight chemicals which had been assigned as POPs according to Stockholm Convention. (8%)
- 3. Please describe the major criteria to show the salient design and operation features of sanitary landfill for disposal of municipal solid waste (10%).
- 4. Please describe the three major methods for the exposure assessment of certain chemical for certain population. (10%)
- 5. Please describe the formation and effects of acid rain (9%). List two methods for preventing acid rain (6%)?
- 6. In the event of dust storm, calculate PM2.5 and PM10 (µg/m3) according to Figure 1 (10%)? Which size bin has the largest number concentration, but the lowest mass concentration (5%)?

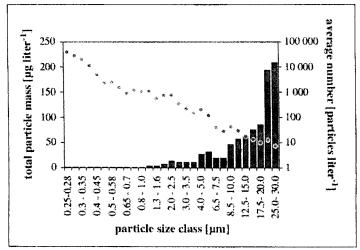


Figure 1. Average number of particles (dots) and mass (bars) during the event of a dust storm (Hoffmann et al., 2008).

- What is Tuberculosis (5%), how does is spread from person to person (5%)?
- 8. What is the main reason for global climate change and its' related health effects (10%)?