

編號： 326

國立成功大學106學年度碩士班招生考試試題

系 所：環境醫學研究所

考試科目：流行病學

考試日期：0214，節次：3

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※ 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 describe in details on the principles of recruiting control subjects in a population based case control study. (25 pt)
2. There are concerns that exposure to environmental particulate matters may cause the increases in Dementia or Alzheimer's disease. Please design an epidemiological study to reveal the possible association between exposure to environmental particulate matters and the occurrence of dementia or Alzheimer's disease. (30 pt)
3. Please elaborate on the Hill's criteria for casual inference. (25 pt)
4. Please explain the following terms: (5pt each)
 - a). Effect modifier
 - b). Prevalence
 - c). Direct standardization
 - d). Differential error