

系所組別： 環境醫學研究所丙組

考試科目： 流行病學

考試日期：0224·節次：3

※ 考生請注意：本試題不可使用計算機

1. Observation bias is relevant to the measurement of the dependent variables in a study. Please identify the methods to minimize the observation bias in a case-control study. (25 pt)

2. Please explain the following terms: (6 pt each)
 - a). Risk set sampling
 - b). Unnecessary matching
 - c). Population attributable fraction
 - d). Vaccine efficacy
 - e). Descriptive study

3. What is the confounding variable? What is the difference between a confounding variable and an effect modifier? Please give examples to illustrate your point. (20 pt)

4. What are the advantages in adopting a matched case-control study design to investigate the etiology of a particular disease? (25 pt)