

高雄醫學大學 104 學年度 研究所碩士班 招生考試 系所：公衛系碩士班-流行病學組
科目：流行病學

請務必於試卷紙上作答，違者該科不予計分。

1. 關於 case-control study 與 selection bias, 請闡明其中的關係(15%)。並舉例說明。(10%)
2. 關於 cohort study 與 臨床試驗 (clinical trial), 請說明其異同(15%)。並舉例說明。(10%)
3. 何謂 information bias (5%) 與 misclassification bias (5%), 他們之間會不會有關聯性? 為甚麼?(10%)
並舉例說明妳/你的論點。(5%)
4. 關於 latent period 與 incubation period, 請說明其異同(15%)。並舉例說明。(10%)

高雄醫學大學 104 學年度 研究所碩士班 招生考試 系所：公衛系碩士班-環衛組
科目：環境衛生學

請務必於試卷紙上作答，違者該科不予計分。

- I. Please choose ONE most appropriate answer for each question (27%)
1. The followings are notable examples of nondegradable waste except
(a) wastes from petroleum refining (b) DDT (c) phenol (d) the salts of heavy metals
 2. ____ are a class of compounds that might be formed as a result of drinking water disinfection.
(a) Aldehydes (b) Trihalomethanes (c) Haloacetic acids (d) All of the above.
 3. Which one of the followings cannot cause eutrophication? (a) detergents (b) fertilizers (c) antibiotics (d) animal waste
 4. Minimizing the production of hazardous waste NOT included
(a) solidification (b) segregating waste (c) eliminating raw materials (d) changing manufacturing process
 5. Which of the following statement is not true?
(a) CERCLA stands for Comprehensive Environmental Response, Compensation, and Liability Act
(b) NPL stands for National Priorities List
(c) RCRA stands for Resource Conservation and Recovery Act
(d) USNRC stands for United States Nuclear Regulatory Committee
 6. The following agents can contribute to indoor air pollution, with the exception of
(a) Carbon Dioxide (b) Formaldehyde (c) Asbestos (d) PCB's
 7. All of the following except ____ are components of photochemical air pollution
(a) Ozone (b) Sulfur dioxide (c) Hydrocarbons (d) Oxides of Nitrogen
 8. The three barriers between inner and outer environment except
(a) skin (b) GI tract (c) Liver (d) Lung
 9. ____ is not the category of carcinogenesis (a) bioactivation (b) initiation (c) promotion (d) progression
- II. Write down one well-known method in secondary (biological) treatment for liquid waste and explain them in detail. (8%)
- III. Please write down four kinds of disinfectants applied in drinking water and its advantages and disadvantages (16%)
- IV. Hazardous waste is characterized if they exhibit four properties. What are they? (8 %)
- V. Please describe two important issues of environmental health in Taiwan and how to control the issues (16 %)
- VI. Please write down three examples of physical hazard. (9%)
- VII. What are the four elements of Risk Assessment? Please write the four elements in English and explain it. (16%)