

本試題是否可以使用計算機: 可使用, 不可使用 (請命題老師勾選)

1. Please define PEL-TWA, PEL-STEL and PEL-C. For workers exposed to any given chemical, please give rationales for selecting appropriate limit values for assessing workers' exposures. (10%)
2. Please define inhalable, thoracic, and respirable aerosols. For workers exposed to aerosols, please give rationales for selecting appropriate aerosol sampling criteria for assessing workers' aerosol exposures. (10%)
3. What is a similar exposure group (SEG)? What is the exposure profile of a SEG? How to make a judgment to assess whether the exposure profile is acceptable? (10%)
4. A worker exposed to noise levels and durations in one workday are shown as followings: 70 dBA for 2 hrs, 85 dBA for 3 hrs, 90 dBA for 2 hrs, and 95 dBA for 1 hr. Please calculate his noise exposure dose and time-weighted-average noise level based on the 5-dBA rule. (10%)
5. 請說明全球氣候變遷與沙塵暴形成之相關性為何? 台灣地區每年受大陸沙塵暴來襲的主要時間為何? 對台灣地區之環境衛生影響為何? 近年來全球暖化問題嚴重對登革熱感染病例發生區域與數目之影響又為何? (20%)
6. 試依據環境影響評估法說明「環境影響評估」之定義, 並請列舉四種應進行環境影響評估之開發活動。(16%)
7. 請說明 Endocrine Disruptor 之定義, 並請解釋 Theo Colborn 所提出之「Endocrine Disruptor Hypothesis」的內容? (14%)
8. 請列舉影響垃圾組成成分含量之因子? (10%)