编號: 325	國立成功大學 102 學年度碩士班招生考試試	題 共 1 頁,第1頁
系所組別:環境	醫學研究所甲組	
考試科目:工業	衛生	考試日期:0224,節次:2

※考生請注意:本試題不可使用計算機

- 1. Please define Industrial hygiene (5%), and present the primary responsibility of the industrial hygienist in general and to employers (10%).
- What is the change in the intensity of the noise when the decibel decreases from 100 to 10 decibels? (dBA = 10\*log<sub>10</sub>(I / I₀), I₀ is 10<sup>-12</sup>(Watt/m<sup>2</sup>)) (20%)
- 3. What are the purposes of industrial ventilation? (10%) Please describe the main components of the local exhaust exhaust system in a figure. (10%)
- 4. Please define biomarker (5%) and present the requirements of ideal biomarker (10%).
- 5. What is ergonomics and what is some common occupational health problems related? (15%)
- 6. Pi accidently opened one of the drawers in the ship and saw an opened half full bottle of pure n-heptane (VP: 40mmHg(at 22°C); MW:100.2; PEL:500ppm). He quickly closed the drawer because of the strong odor. What is the maximum concentration of brief exposure in ppm? Is the concentration over the PEL? (15%)