309

## 國立成功大學 107 學年度碩士班招生考試試題

所:環境醫學研究所

考試科目:作業環境測定

考試日期:0206,節次:3

第1頁,共1頁

※ 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。

- Please define the meaning of calibration, calibration curve, and applicable calibration range. (20%) 1.
- While using a charcoal tube for conducting environmental monitoring, please define its minimum air sample 2. volume, and its maximum air sample volume. (20%)
- (1) Please define the grab sampling and explain the purpose for conducting grab sampling. (2) Please define the 3. integrated sampling and explain the purpose for conducting integrated sampling. (20%)
- Please describe the importance for assessing occupational dermal exposures, and briefly introduce one 4. technology which can be used for assessing workers' dermal exposures, (20%)
- An impinger is used for conducting environmental monitoring, if V: the total volume of liquid in the impinger; v: 5. the volume of liquid used for analysis; m: mass of the contaminant is contained in v; mblank: : mass of the contaminant is contained in v for the blank sample;  $\eta$ : the collection efficiency; Q: the sampling flow rate; and t: sampling time are known, please define the air concentration (c) of the contaminant. (20%)