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國立臺灣大學 108 學年度碩士班招生考試試題

科目：分析化學(B)

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### Analytical Chemistry

*(Please write down your answer in detail)*

1. Please define "t test" in statistics. (10%)
2. What is ionic strength? (10%)
3. Please draw the titration curve of a weak diprotic acid using strong base as the titrant, and describe the whole process in detail. (10%)
4. What is cyclic voltammetry? (10%)
5. Please define "high-performance liquid chromatography". (10%)
6. Please describe what is "gas chromatography/mass spectrometry". (10%)
7. Please define "capillary electrophoresis". (10%)
8. What is atomic emission spectrometry? (10%)
9. Please describe fluorescence spectrometry and its instrumentation. (10%)
10. Please describe infrared absorption spectroscopy. (10%)

試題隨卷繳回