題號: 432 國立臺灣大學 105 學年度碩士班招生考試試題

科目:生理學(B)

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## ※ 注意:請於試卷內之「非選擇題作答區」標明題號依序作答。

- 1. Give a pressure-volume diagram of the left ventricle during a cardiac cycle, and mark the valve movements and cardiac phases with this cycle, please. (25%)
- 2. Explain the structures and functions of the autonomic nervous system, also compare and contrast the sympathetic versus parasympathetic branches, please. (25%)
- 3. Explain how dynamic lung volume parameters are used to differentiate obstructive from restrictive pulmonary diseases, please. (25%)
- 4. Please explain why the clearance of inulin can be use to estimate the glomerular filtration rate? (25%)

## 試題隨卷繳回