

慈濟大學 101 學年度 研究所碩士班招生考試命題紙

科目：生理學

共1頁

Note: You may answer the questions in English or Chinese. Key terms should be mentioned in English.
20% for each question.

1. What role do antibodies play in immunity? How are they produced? How do they work?
2. Describe an action potential. How does conduction along a myelinated fiber differ from conduction along an unmyelinated fiber?
3. Trace the path of a light ray from the outside of the eye to the retina.
4. Explain how the hypothalamus and pituitary gland regulate certain endocrine glands. Use the thyroid as an example.
5. Explain the purpose of the four heart valves and describe their structure and location. What prevents the valves from opening backwards?