

慈濟大學醫學資訊學系 105 學年度碩士班入學考試命題紙

科目： 生理學

共1頁

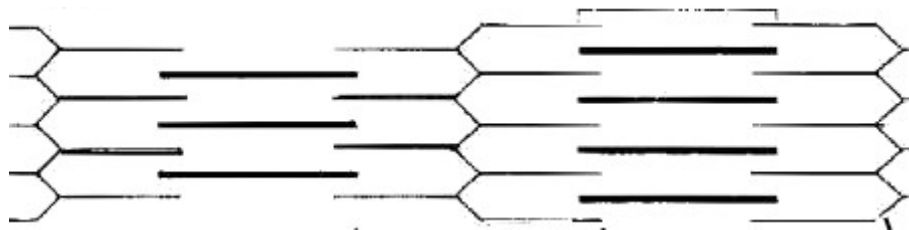
應試時間訂為 60 分鐘，並請於本頁規範是否應攜帶計算工具或參考書(不需特殊應考工具)。

可以中或英文作答，但專有名詞請附上英文，以避免翻譯失誤。

1. [15] At death, the muscles of body become very stiff and inextensible, and the corpse is said to go into rigor. Explain the basis of rigor. Where in the contraction cycle is the muscle arrested? Why?

2. [10] Clearly label the following structure on the diagram below:

M line, I Zone, Z line, H Zone, Actin Filament



3. [10] What is Homeostasis?

4. [15] Explain the five steps in Synaptic Transmission.

5. [15] Explain the carbohydrate and protein absorption processing in GI system.

6. [15] Draw the conduction pathway of action potentials in the heart.

7. [10] What is Referred Pain?

8. [10] In the absence of baroreceptor responses, injecting phenylephrine (α_1 agonist) will results in?