	/\ +	- 四學年度	辐射生物研究所所	組碩士班研究生入學考試			
科母_	生理	里學_	科號 3406 共 二		•		

I.	Distinguish	between	the	following	terms	(30	pt):
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- 1. Oxygen debt & hypoxia
- 2. Leukocytosis & leukemia
- Excretion & defecation
- 4. Renin & rennin
- 5. Gluconeogenesis & glycogenolysis
- 6. Vital capacity & total lung capacity
- 7. Enterokinase & cholecystokinin
- 8. Tetany & tonus
- 9. Oxyhemoglobin & reduced hemoglobin
- 10. Diastolic sound & systolic sound

II. Pairing (fill the parenthesis with one of a, b,k, 1.,10 pt)

- () 1. kidney
- () 2. Adrenal cortex
- () 3. Pituitary (anterior lobe)
- () 4. Placenta
- () 5. Adrenat medulla
- () 6. Pituitary (intermediate lobe)
- () 7. Ovary
- () 8. Pineal gland
- () 9. Hypothalamus
- () 10. Pituitary (posterior lobe)
- a. Prolactin
- b. Melanotropin
- c. Secretin
- d. Melatonin
- e. Oxytocin
- f. Erythropoietin
- g. Corticotropin-releasing factor
- h. Epinephrine
- i. Dehydroepiandrosterone
- j. Enterocrinin
- k. Relaxin
- 1. Adrenocorticotropic H.

國立清華大學命題紙

八十四學年度<u>福射生物新克所</u>組碩士班研究生入學考試 科自<u>生理</u>科號<u>3406</u>共ニ真第上頁*請在試卷【答案卷】內作答

- III. Answer the following questions (60 pt)
- 1. If you eat a piece of bread, where and how do its components be digested?
- 2. Describe and discuss the mechanism of regulation in body temperature.
- 3. What causes the increase in the rate and depth of breathing during exercise? Why is such an increase necessary?
- 4. Explain the mechanism that makes it possible for the kidney to produce a hypertonic urine.
- 5. Which vitamin influences night vision? Why do many people wear glasses?
- Describe and discuss the lymphoid organs serve in developing and maintaining immunity,