編號: 169

國立成功大學 107 學年度碩士班招生考試試題

系 所:生物醫學工程學系

考試科目:生理學 考試日期:0205,節次:3

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*	考生請注意:本試題不可使用計算機。 請於答案卷(卡)作答,於本試題紙上作答者,不予計分。					
1.	Jeffrey C. Hall, Michael Rosbash and Michael W. Young received the 2017 Nobel Prize in Physiology or Medicine. Please describe the importance of their findings(10%)					
2.	Please compare primary active transport and secondary active transport. (10%)					
3.	. How does cell to clean the neurotransmitters in synaptic cleft. (10%)					
4.	Contrast the causes of increased airway resistance in asthma, emphysema, and chron bronchitis. (15%)					
5.	What are the consequences of the failure to digest lactose in the small intestine? (10%)					
6.	What is the effect of changing afferent and efferent arteriole resistance on glomerula filtration rate? (10%)					
7.	Please describe three types of diabetes mellitus. (15%)					
	Please briefly describe the following terms: (20%) a. Countertransport(5%) b. Excitatory postsynaptic potential (EPSP)(5%) c. Myocardial infraction(5%) d. Respiratory acidosis(5%)					
	End of questions					