

※ 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. Antibiotics are available medicine in treating infection. Please list the systemic responses to infection or injuries and the mediators responsible for them. (15%)
2. Student Daisy attends a graduation party and has a plenty of hamburgers, French fries, pizza, fried chicken, vegetable salad, pasta, and non-alcoholic drinks. How are these food absorbed from stomach or small intestine and nutrition her health? (15%)
3. Endocrine system plays a crucial role in stress condition and, particularly, cortisol is a hormone released during stress. Please describe (1) the physiological functions of cortisol and (2) functions of cortisol in stress. (15%)
4. There are important differences between action potentials of cardiac muscle cells and those in nodal cells of the cardiac conducting system. Please describe these important differences. (15%)
5. Low dose administration of aspirin is a common use in preventing myocardial infarction. Please describe how the hemostasis is affected by aspirin. (15%)
6. How do the cerebrospinal fluid and blood-brain barrier protect brain? (15%)
7. Name the major neurotransmitters involved in schizophrenia and the mood disorders. (10%)