

本試題是否可以使用計算機：可使用，不可使用（請命題老師勾選）

考試日期：0302，節次：3

1. (14%) “T cells, B cells and antigen presenting cells can recognize different pathogens and interact with their antigens. Please describe what kind of molecules these immune cells used to recognize and interact with antigens.”
2. (14%) What are the innate immunity and the adaptive immunity? How do they communicate during the immune defense? (Answer in English or Chinese)
3. (14%) Please describe: (1) major pathogenic mechanisms for bacterial enterocolitis, and (2) main properties of bacteria that contribute to the pathogenesis of enterocolitis.
4. (14%) Please describe the mechanisms of bacterial resistance to antibiotics.
5. (14%) Please describe the principle and application of microbial database.
6. (15%) Many pathogens can cause acute and latent infection in the host.
 - (1) What are the key factors for the determination of infection type?
 - (2) What are the differences of pathogenesis during acute and latent infection?
 - (3) Try to list three important pathogens that cause human diseases by latent infection.
7. (15%) There was an outbreak of acute hemorrhagic conjunctivitis occurred in Taiwan in 2007. Please describe the possible viral agent which caused this outbreak. In addition, please describe the classification, general properties and identification of this virus.