

1. Please define the meaning of “food safety” in detail; please take an example and illustrate its issue on food safety. (10%)
2. “2017 Fipronil eggs contamination” caused a concern of food safety in Europe and Asia. Please describe characteristics of this incident from human exposure to fipronil including brief introduction of this issue, the function and toxicity of fipronil, and the human health risk of fipronil in this event. (10%)
3. Please define and explain the meaning of the following terms in detail, and describe their influences on food safety. (10%)
 - (1) Foodborne diseases
 - (2) Bioavailability
 - (3) Toxicology
 - (4) Risk assessment
4. Please describe in a word or two regarding methods or instruments of food safety assessment, including residues of toxic xenobiotics in food and systemic toxicity evaluation. (10%)
5. Please list four laws or regulations about food safety in Taiwan or other countries. (10%)
6. How to prevent bacterial food poisoning regarding food processing and handler hygiene? (12%)
7. How to prevent food from the contamination of mycotoxins? (10%)
8. What are the major differences between conventional quality control in the food industry and so called Hazard Analysis and Critical Control Points (HACCP)? What are the main principles for executing the HACCP? (14%)
9. Please comment on the functions of tests for food sanitation and safety administration. What other approaches would be helpful on better the administration? (14%)

試題隨卷繳回