

Please answer the following two questions (50% each):

1. Resolving infectious and urgent diseases is an emergent, yet unmet global medical needs. Please choose one from the two novel current health threats, superbugs and Zika virus, to answer the following questions based on your educational training and knowledges: (i) Please define and give what you know about the health threat that you chose (10%); (ii) What do you think about the potential cause(s) of this threat (10%) (iii) What are your thoughts, potential efforts and solutions to this health threat (30%)? In this third regard, please state your perspective first, for example, from the point of view of epidemiology, public health, economics and pharmaceuticals ... etc.
2. The climate change and unlimited exhausting of natural resources are two threats to global food security. With the rapid and great advances in biotechnology, for example, the high-profile products of genetic modified organism (GMO) in agriculture are designed to be high-yield, resistance to pesticide and/or harsh environments, initially aim to boost the yield and thus solving the problem of food security. However, initial GMOs only targeted the benefits of farming/production (e.g. pest control), but not those for consumers (e.g. food quality, availability and safety), therefore, created new unresolved global problems to our society. Please deliver and briefly describe your understanding of food security and safety (15%). Regarding to GMO, please argue your opinions on (i) Are GMOs safe (5%)? (ii) Shall GMOs be labelled (5%)? In addition, please clearly express your thoughts in unlocking and/or activating all potential dimensions of suitable and sustainable development of GMO to food security and safety (25%). You can make your points according to the culture, educational, politic, public, regulatory policies for GMOs and associated responsible biotechnologies and so on.

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