

PART I. In FOUR (4) separate essay answers, respond to TWO (2) of the questions about climate change and TWO (2) of the questions about personal genomics.

IMPORTANT: Answer these questions in a separate booklet from PART II.

6 MARKS EACH, 24 MARKS TOTAL. ANSWER IN ESSAY FORMAT. YOU MAY USE POINT FORM TO MAKE LISTS OF ITEMS, FACTS OR CLAIMS. AN ANSWER OF APPROXIMATELY ONE AND ONE-HALF TO TWO PAGES (DOUBLE SPACED) FOR EACH ANSWER SHOULD BE SUFFICIENT AS A MINIMUM REQUIREMENT (YOU CAN WRITE MORE IF YOU WISH).

Climate Change Questions (choose TWO)

1. Describe the commitments made by Annex I states in the UNFCCC and the Kyoto Protocol. Why did the UNFCCC and the Kyoto Protocol fail to achieve their greenhouse gas emission reduction targets?
2. Describe the commitments made by states in the Paris Agreement, and the key differences between the Paris agreement and the UNFCCC and the Kyoto Protocol. Does the Paris Agreement offer a better chance to lower global greenhouse gas emissions? Why or why not?
3. Describe the domestic political, economic and social obstacles preventing more concerted climate change action at the national level. Why it has proved so difficult to reduce greenhouse gas emissions in most states?

In each of your answers, use concepts and content from the course lectures and learning materials, including at least two of the readings below.

Personal Genomics Questions (choose TWO)

1. Describe the ways in which genomic information threatens the human rights of individuals in society. How can individuals be protected?
2. Describe how genomic information threatens the human rights of groups in society. How can groups be protected?
3. Describe why direct-to-consumer genetic testing is controversial. What are the advantages and dangers of such testing? In your view, what regulations should be in place to govern the direct-to-consumer genetic testing market?

In each of your answers, use concepts and content from the course lectures and learning materials, including at least two of the readings below.