

1.
 - (i) **State and discuss** the seven desirable properties of mechanism design
 - (ii) **Describe** the parameters defining English, Dutch, first-price sealed bid and Vickrey auctions and where appropriate give the dominant strategy.
 - (iii) **Outline** the monotonic concession protocol and the Zeuthen strategy.
 - (iv) **Discuss** the problems that arise from the use a valuation function that reduces a multi-attribute offer to a single value. Illustrate your answer with an example valuation function and appropriately chosen offers.

2.
 - (i) **State and justify** the four properties of institutions that provide a basis for trust and security in agent interaction.
 - (ii) **Name and describe** the four classes of norm as they occur in agent-based systems.
 - (iii) Consider the institutional framework of the lecture:
 - (a) **Identify** some roles, scenes, and conversations (precise formal specifications are *not* required), but you may use diagrams to illustrate your answers.
 - (b) **Propose** an abstract norm, a concrete norm and a rule that might govern behaviour in a lecture.