

**7/1/2009**

**Chr. Hjorth-Andersen**

**Suggested answers for the**

## **Philosophy of Science**

**Exam June 12<sup>th</sup> 2009**

**(Closed book)**

This way of conducting an exam is to some extent novel, and this fact should be kept in mind when passing a grade. There is no previous experience, and any doubt should be resolved in favor of the student.

**Question 1:** See slide 1. Definitely yes. The paper uses the standard approach of economics.

**Question 2:** See slide 8. The phrase “normal science” is due to Kuhn. The paper definitely belongs to normal science.

**Question 3:** See slide 4. The phrase “novel fact” belongs to Latakos and would indicate something completely unexpected. There are no unexpected facts in this paper.

**Question 4:** See slide 4. A single statement cannot be falsified. A discussion of the Quine-Duhem thesis could be entered into the answer.

**Question 5:** See slide 17 on replication. A discussion of the concepts of replication would be appropriate. Some scientific replication has been done internationally.

**Question 6:** See p. 222. The paper takes an exception and households are not, as is usual, only concerned with their own utility, but also broader issues.

**Question 7:** See slide 14 and the reading list. A brief discussion of the pros and cons of the contingent valuation method is appropriate.

**Question 8:** This is a difficult question, and failure to answer it correctly should not be dealt with harshly. If all the costs of a unit are not included in the unit’s calculations, it will not be possible to achieve Pareto Optimality.

**Question 9:** See slide 9. The answer is: Not necessarily, due to the theorem of second best.

**Question 10:** See slide 7. A brief discussion of McCloskey would be appropriate.