

SCHOOL EXAMINATION

SGO3200 – Environment and innovation

Spring 2019

(6 hours)

Students must answer three out of five questions

1. Describe the key components of ecological modernization theory. What are the major critical points raised against ecological modernization theory?
2. Deep decarbonization has been proposed as necessary to stop human made climate change. What is meant by deep decarbonization? What role can innovation have to support deep decarbonization?
3. Frank Avelino (2017) argues there is a qualitative difference between power to create and power to reproduce the existing. Describe the three different types of power he introduces. Use examples.
4. Social innovation can be understood either as friendly liberalism or based on a more critical interpretation according to Jessop et. al (2013). Explain the similarities and differences between the two interpretations. Use examples
5. It is being argued that technological innovation far from serving human needs, is driving development in directions potentially opposed to sustainability. Discuss this statement and propose how innovation better can support sustainability transitions.