

Department of Biology

Examination paper for (course code) (course title)

RFEL3082 - Sustainable Management of Ecosystem Services

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Question 1

The Ecosystem Services (ES) framework has been established as a conceptual framework and used in several assessment processes such as Millennium Ecosystem Assessment (MEA) and assessments initiated by IPBES (Intergovernmental Platform on Biodiversity and Ecosystem Services).

- a) What were the main arguments for establishing the ES framework?
- b) What is the main critique against the ES framework?

Please give your arguments in bullet points.

Question 2

The mission of IPBES is to strengthen the science-policy interface for biodiversity and ecosystem services for the conservation and sustainable use of biodiversity, long-term human well-being and sustainable development. What is meant by “strengthen the science-policy interface”, and how can this be achieved? Give examples on initiatives that may facilitate science-policy interface for biodiversity and ecosystem services in general as well as for a specific sector (e.g. agriculture, aquaculture, mining, bioenergy, forestry).

Question 3

“We are currently not managing biodiversity and ecosystem services in a sustainable way”. Evaluate this statement by presenting available knowledge on status and trends for biodiversity and ES in general (global level), and for a selected habitat (any nature type could be used as an example).