**ENGLISH:**

**Question 1.**

a) Explain the following abbreviations: MSY, MLY, TAC, SF (net gear), and L_{50} (net gear)

b) Describe briefly the tools and methods available for fisheries management in regulating the take-out from fish stocks.

c) What is the main objective of ICES (International Council for the Exploration of the Sea)?

d) Describe briefly (include a flow-chart if you want) the work process in forehand of the implementation of an ICES recommendation.

**Question 2.**

a) Define “Effective population size” ($N_e$) and mention some factors which affect its size.

b) How large is the $N_e$ if one female is crossed with 100 males (diploid organism, nuclear autosomal locus, equally sized offspring groups)?

c) What is “domestication selection”?

d) What is meant by “Significant Evolutionary Unit”?

**Question 3.**

a) During the last century, two of the economically most important North Atlantic fish stocks collapsed due to heavy overexploitation. Which stocks, and what are their stories?

b) Describe the life cycle of the North East Atlantic Cod (NEAC).

c) What differences in life history traits and biology in salmon and cod can explain why salmon stocks usually show larger inter-stock genetic differences than cod stocks do?