

OLLSCOIL NA hÉIREANN

NATIONAL UNIVERSITY OF IRELAND, GALWAY

SUMMER EXAMINATIONS, 1999

Third Year (Denominated B.Sc. Degree in Marine Science)*MR 304: Marine Plant Science*Professor A. Eleftheriou
and the internal examinersTime allowed: *Two hours.*
Answer *three* questions.

1. Give an account of the methods used in Japan for the cultivation of Nori (*Porphyra yezoensis*).
2. The seaweed industry within Ireland will remain small for the foreseeable future. Discuss.
3. What are the main advantages and disadvantages in tank cultivation of seaweed? Discuss how problems could be overcome.
4. Discuss how the source of raw material for the agar and carrageenan industries has changed during the last 50 years.
5. Critically evaluate the off-shore cultivation methods used for *Gracilaria* species.
6. Discuss the management methods employed in the successful utilisation of a natural population of a named seaweed species.