

Ollscoil na h-Éireann, Gaillimh

WINTER EXAMINATIONS 1999

3rd year Environmental Science B.Sc.

ENVIRONMENTAL MANAGEMENT & LEGISLATION

PAPER I

ENVIRONMENTAL MANAGEMENT

EXTERNAL EXAMINER: Professor R B Wood

INTERNAL EXAMINER: Dr M J Gormally

Time allowed: TWO hours

Answer: THREE questions

(Indicate clearly the questions answered on the first page of your answer book)

- Q. 1 Critically discuss the advantages and disadvantages of the bracken (*Pteridium aquilinum*) habitat under the following headings:
- a) wildlife and conservation
  - b) landscape and recreation
  - c) agriculture and land use.
- Q. 2 Using illustrations, describe how you would create new native woodland on farmland. In your answer, comment on the effects of the woodland structure on plants and invertebrates.
- Q. 3 With reference to your visit to Knockmaa Wood and the farm near Kinvara, Co. Galway, describe the habitats present and discuss the possible effects on flora and fauna of current management practices.
- Q. 4 a) Briefly describe Westhoff's model for classifying the extent of human influence on vegetation.
- b) Using illustrations, briefly compare and contrast the effects of grazing by cattle, sheep and horses on grassland.

**Q.5** With reference to their benefits for nature conservation, describe (using illustrations where necessary) one of the following :

- Farm ditch and watercourse management
- Hedge planting
- Hedgerow management
- Creating species-rich grasslands
- Species-rich grassland management