

Ollscoil na h-Éireann, Gaillimh

SUMMER EXAMINATIONS 2000

4th year Environmental Science B.Sc.

ENVIRONMENTAL MANAGEMENT

PAPER 1

EXTERNAL EXAMINER: Professor R B Wood

INTERNAL EXAMINER: Dr M J Gormally

Time allowed: THREE hours

Answer: THREE questions

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

Q.1 Describe (using examples) how you would design overlay, matrix and network methodologies for the proposed sports academy and leisure facility at Lisloughrea, Cong, Co. Mayo. Compare and contrast the use of the above methodologies with the methods used to predict impacts in the Lisloughrea Environmental Impact Statement.

Q.2 "The purpose of Environmental Impact Assessment is to provide scientific, objective and impartial assessment".

Discuss this statement with reference to the proposed cement manufacturing plant and quarry extension at Aghamore, Kilkelly, Co. Mayo.

Q.3 "Given that Environmental Impact Assessment imposes certain requirements on the study of impacts (a restricted time and resource base), and that many traditional science methods cannot be fully implemented, scientists are often required to compromise their usual practices."

Discuss this statement with reference to the Environmental Impact Statements you have studied this year and to the Environmental Protection Agency publication "Advice Notes on Current Practice in the Preparation of Environmental Impact Statements".

Q.4 With reference to their advantages and disadvantages, describe the techniques currently used to assess landscapes in the Environmental Impact Assessment process.

- Q.5** " An environmental consultant considers Environmental Impact Assessment to be a lucrative job opportunity but also, hopefully, one that requires careful balancing of the needs of the client with the need to protect the environment."

Discuss.

- Q.6** "We must continue to educate the developer to view Environmental Assessment not as an obstacle course through which he/she must pass using time and money, but as a valuable part of project planning and design."

Discuss this statement with reference to the creation of a golf course on land which is predominantly intensive agricultural grassland but which also encompasses hedgerows, a stream and small areas of woodland and wetland.