

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway
SECOND SEMESTER EXAMINATIONS, 1999
Third Civil Engineering Examination

Construction Operations II

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Time allowed: Two hours

Answer all questions

Use separate answer books for each question

1. a) Discuss the approach to planning, management and co-ordination of health and safety set down in the "Safety, Health and Welfare at Work, (Construction), Regulations 1995" and describe the duties of clients, designers, project supervisors and contractors.
 - b) Explain the purpose of the following documents and give a brief outline of their content.
 - i) Preliminary safety and health plan,
 - ii) Safety and health plan,
 - iii) Safety file.
 - c) Describe the basic measures required to promote a safe and healthy working environment on a construction site.
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2. List the reasons when determination of a contract can be initiated by:
 - a) The contractor.
 - b) The employer

What happens to subcontractors as a result of determination of the main contract?

Briefly explain the conciliation process.

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3. a) Answer two of the following four sub-questions.
- i) Describe the two main elements in the management structure of a typical Local Authority and give examples of the division of powers.
 - ii) Define Strategic Planning and list the main elements in a strategic plan.
 - iii) List three principles underlying EU Environment policy and give your opinion on their relevance and impact on construction operations.
 - iv) Describe the process for obtaining a road closure.
- b) Broadly describe the purpose of a Planning Authority's Statutory County Development Plan, including general objectives and what is defined as development under the Planning Acts.
- c) Answer (i) or (ii)
- i) Outline EU Procurement Policy, its purpose, types of procedures and general requirements. Name three relevant directives.
 - ii) Give the reasons for the introduction of "Condoc" and give general examples of the contract elements it attempts to control and regulate.

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