

## 1995 Paper 11 Question 3

### Software Engineering

Describe the particular difficulties involved in constructing very large software systems, as observed by Curtis *et al.* List some of the root causes of these difficulties.  
[7 marks]

Write an essay on the rôle of testing in a software project. The essay should describe testing's purpose and limitations, and touch upon black-box, white-box and acceptance testing, ultra-high reliability and beta-testing. (A mere list of definitions will receive little credit.)  
[13 marks]