

University of South Australia  
**School of Geoinformatics, Planning & building**

**SEMESTER 2 EXAMINATION 2002**

**Construction & Fire Engineering 2N (Construction Component)  
(CIVE 4010)**

**Building Construction & Materials 7 (BUIL 4011)**

**Instructions to Candidates:**

Time for the examination: **2 hours Plus 10mins** reading time.

Open book examination ie references allowed.

**All questions are of equal value**

All questions must be attempted

**Examiner: Assoc. Prof. George Zillante**

**Question 1. (25 Marls)**

There are several construction techniques (and components) that characterise the design and construction of tall buildings. Discuss the importance of these techniques/components and why they are used in tall buildings.

**Question 2. (25 Marks)**

Some people believe that the quality of Construction is directly related to the culture of the Industry and the country where it is located. Using the USA and Australia as benchmarks, discuss what you believe are the critical issues facing the concept of Quality Assurance for the Construction Industry of the future.

**Question 3 (25 Marks)**

The Construction Industry of the future will be significantly different from the Industry, as we currently know it. Discuss what you believe will be the major differences and outline how your Country can position itself to take advantage of these differences.

**Question 4 (25 Marks)**

"Recent construction innovation developments indicate that Civil Engineering Construction will become a major part of a Builder's Construction portfolio in the future."

Discuss the above statement made by a prominent Adelaide Architect. Indicate whether you agree or disagree and illustrate your answer with examples wherever possible.

**Total marks available (100)**

Zillante S2 2002