

UNIVERSITY OF SOUTH AUSTRALIA
SCHOOL OF GEOINFORMATICS, PLANNING AND BUILDING
FIRST SEMESTER EXAMINATION 1998

BACHELOR OF BUILDING

CONSTRUCTION MANAGEMENT 1N

Date of Examination: Monday, 29 June 1998
Examiner: Professor Anthony Sidwell
Duration: 3 hours 9.00am – 12.00 noon

General Instructions to Candidates

Write your name on the examination answer booklet

Candidates are required to attempt FIVE questions

All questions are of equal value

This examination counts for 50% of the assessment for the subject

This is a CLOSED book examination – no reference material is permitted

Question 1: (20 marks)

Explain the following terms:

- a) Retention money (5)
- b) Provisional Sums (5)
- c) Prime Cost (PC) Sums (5)
- d) Certificate of Practical Completion (5)

Question 2: (20 marks)

Explain and discuss the following:

- a) Nominated Sub-contractors (5)
- b) Variations (5)
- c) Claims (5)
- d) Day-work (5)

Question 3: (20 marks)

Explain the pre-contract planning and estimating function for a main contractor, including everything necessary to prepare a competitive tender.

Question 4: (20 marks)

What factors contribute to the hazardous nature of construction sites.
Which trades are at most risk and why?

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Question 5: (20 marks)

Discuss the important issues in industrial relations in construction such as restrictive practices, demarcation, training, multi-skilling and site agreements.

Question 6: (20 marks)

Explain the essential elements of a contract and discuss the contractual relationships between the various parties to a building project.

Question 7: (20 marks)

Draw a diagram of the traditional building process and use it to explain the differences between the following procurement options giving their advantages and disadvantages:

- a) Design and construct
- b) Construction Management
- c) Novation

Question 8: (20 marks)

Illustrate the materials supply and installation process by means of a diagram and discuss how the Site Manager can minimise damage, unsuitable goods, double handling and other aspects that impact upon the incorporation of materials in a building.