

**UNIVERSITY OF SOUTH AUSTRALIA
SCHOOL OF GEOINFORMATICS, PLANNING & BUILDING**

PROGRAM: Graduate Certificate in Building & Planning

COURSE: Statutory Controls 2 (BCA) 05472

EXAMINATION: External Exam, Semester 2, 2001

DURATION: 2 Hours of Exam time preceded by 10 minutes of Reading Time ie a total of 2 Hrs 10 Mins.

EXAMINER: Assoc. Prof. George Zillante (Tel 08 8302 2379)

INSTRUCTIONS TO CANDIDATES:

- You must answer question 1 and any three of the remaining 4 questions so that 4 questions are answered in total.
 - The value of each question is noted adjacent to the question
 - Open Book examination ie references permitted
 - State any assumptions made
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NOTES FROM EXAMINER Nil

Question 1 (COMPULSARY)

(40 Marks)

At a recent Business function a prominent Building Developer was heard to say the following:

“Part C of BCA 96 (Fire Resistance) is by far the most important part of the BCA. It really sets the Construction requirements of any Building and if you get this wrong your project stands a good chance of failing”.

Discuss the above statement and indicate whether you agree or disagree with the Developer. Illustrate your answer with examples wherever possible.

Question 2

(20 Marks)

Part A3 of BCA 96 deals with the Classification of Building & Structures. Discuss why it is necessary to classify Buildings and give some examples to support your discussion.

Question 3**(20 Marks)**

Discuss what, for Commercial Buildings, you consider to be the most important aspects of Part D1 of BCA 96, Provision for Escape.

Question 4**(20 Marks)**

Discuss the circumstances that would require the installation of Fire Hydrants in Commercial Office Buildings.

Question 5**(20 Marks)**

BCA 96 was introduced to promote a performance approach to Building Design & Construction. Discuss what you understand by Performance and illustrate your answer with examples wherever possible

(TOTAL MARKS AVAILABLE... 100)

END OF QUESTIONS