

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

**PROGRAM:** Bachelor of Construction Management & Economics (Hons)

**COURSE:** Development Law (Building Component of JUST 4002)  
Statutory Controls 2 (BUIL 4015) Formerly 05472

**EXAMINATION:** Internal & External Exam, Semester 1, 2002

**DURATION:** 2 Hours of Exam time preceded by 10 minutes of Reading  
Time ie a total of 2 Hrs 10 Mins.  
For ENTEXT students, 10 minutes of Reading time plus 2 Hrs  
20 Mins of Examination time ie a total of 2 Hrs 30Mins

**EXAMINER:** Assoc. Prof. George Zillante (Tel 22379)

**INSTRUCTIONS TO CANDIDATES:**

- This exam is worth 50% of the Building component
- **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

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**Question 1 (COMPULSARY) (25 Marks)**

BCA 96 was introduced to promote a performance approach to Building Design & Construction. Discuss the strengths and merits of this system and what you understand by Performance. Illustrate your answer with examples wherever possible

**Question 2 (25 Marks)**

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

**Question 3 (25 Marks)**

Discuss the important considerations that must be taken into account when designing a building containing an Atrium.

**Question 4 (25 Marks)**

Discuss the circumstances that would require the installation of fire hydrants, hose reels and a booster connection in Commercial Office Buildings.

**Question 5 (25 Marks)**

Discuss what you consider to be the most important aspects of Part C (Fire Resistance) of the BCA and how those aspects can be used to ensure that buildings are properly constructed in terms of fire resistance.

**(TOTAL MARKS AVAILABLE  
END OF QUESTIONS**

**100)**