

UNIVERSITY OF SOUTH AUSTRALIA
School of Geoinformatics, Planning and Building
Flexible Learning Mode
Statutory Controls 2
Semester 1, 1998

Instructions to Candidates:

Open Book Examination

Answer ALL questions

Time: 2 hours

Lecturer: George Zillante

Total Marks: 100 (all questions are of equal value)

Write short answers (a paragraph or two) to each of the following questions:

Question 1:

Explain the hierarchy of The Building Control System in South Australia.

Question 2:

Discuss what you understand by the term “performance based design” as provided for in the BCA 1996.

Question 3:

How many Types of construction are there and what are the main reasons for having different Types of construction.

Question 4:

Why are buildings (or parts of buildings) classified differently.

Question 5:

Explain what you understand by the term “Rise in Storeys”

Question 6:

Why do we limit the area and volume of buildings?

Question 7:

Under what circumstances do openings in external walls need to be vertically separated.

Question 8:

Under what circumstances must openings in external walls be protected.

Question 9:

Why does the BCA 1996 provide controls for distance to exits.

Question 10:

Explain what you understand by the term “Fire isolated exit”.

Question 11:

Under what circumstances can external stairways be used as required exits.

Question 12:

List two main reasons why we use table D1.13 :area per person according to use”.

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Question 13:

How do we (generally) provide for access to a building for people with disabilities.

Question 14:

Explain the main differences between the requirements for external and internal fire hydrants.

Question 15:

How do we (generally) determine the requirements for smoke hazard management for an office building.

Question 16:

Under what circumstances must lifts be installed in buildings.

Question 17:

How do we ensure that equipment and safety installations in buildings are maintained.

Question 18:

Why is it necessary for all areas within an atrium to have access to at least two exits.

Question 19:

Explain how and why a stage in an entertainment building is separated from the audience

Question 20:

What do you understand to be the main objectives of the BCA 1996.