1995 Paper 7 Question 8

Security

Explain the difference between discretionary and mandatory access control.

[3 marks]

Describe the Bell–LaPadula security policy model.   [7 marks]

Discuss how one might implement a system enforcing the Bell–LaPadula model.

[6 marks]

Explain what covert channels are, and how they can limit the usefulness of multilevel secure systems.   [4 marks]