

COE 449: Network Security Engineering  
HW 3 – Chapters 6, 7  
Posted: 10 November 2008 Due: 17 November 2008

- 1- Give three reasons (can be from the ones mentioned in the book) for assuming the Bell-LaPadula Model not preferred to be used for a bank security policy system ?
- 2- In the Biba's model example, what would be the effect of omitting the run-untrusted command? Do you think this enhances or degrades security ?
- 3- Describe briefly (in your words) the clinical information system security policy? What can be its main difference than the Chinese wall model?
- 4- In the originator controlled access control model, DAC and MAC features are involved in a combined way. Identify the combination three rules ?
- 5- What is the main feature of the following polices:
  - a. Governmental security policy
  - b. Industrial security policy
  - c. Confidentiality policy
  - d. Integrity policy
  - e. Bell-LaPadula Model
  - f. Biba Model
  - g. Clark-Wilson Model
  - h. Chinese Wall Model
  - i. Clinical Information Systems Security Policy
  - j. Originator Controlled Access Control
  - k. Role-Based Access Control