Cairo University
Faculty of Engineering
Computer Engineering Dept.
CMP404   Sheet 1

1) What is the difference between passive and active security threats?

2) List and briefly define categories of passive and active security attacks.

3) List and briefly define categories of security services.

4) Consider an automated teller machine (ATM) in which users provide a personal
identification number (PIN) and a card for account access. Give examples of
confidentiality, integrity, and availability requirements associated with the system and,
in each case, indicate the degree of importance of the requirement.

5) Draw a matrix that shows the relationship between security services and attacks.