CSC 437 Computer Security
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Sample Questions for Module 1 - Introduction to Computer Security: Terminologies

1) Define the following terminologies:
      (i) Data confidentiality   (ii) Privacy
      (iii) Data integrity   (iv) System integrity
      (v) Availability   (vi) Authentication (both user and message authentication)
      (vii) Accountability

2) Define the following:
      (i) Vulnerability   (ii) Threat
      (iii) Risk   (iv) Attack
      (v) Countermeasure   (vi) Adversary

3) Distinguish between active attacks and passive attacks and how they can be detected/prevented?

4) Explain two significant attacks (threat actions) that will affect each of the following [Hint: Refer Table in Slide # 9]:
      (i) Confidentiality
      (ii) Integrity
      (iii) Availability

5) Complete the following table on threats/consequences of attacks on each of the assets, as and when applicable:

	Availability	Confidentiality	Integrity
Hardware			
Software			
Data			
Communication Lines			

6) Distinguish between a "Security Mechanism" and "Security Service". Explain with example.