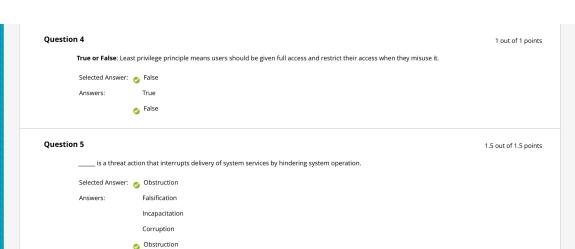
Question 1		1.5 out of 1.5 points
A flaw or weaknes	s in a system's design, implementation, or operation and management that could be exploited to violate the system's sec	curity policy is a(n)
Selected Answer:	✓ Vulnerability	
Answers:	Threat	
	Adversary	
	Risk	
	✓ Vulnerability	
Question 2		1.5 out of 1.5 points
The DES algorithm	n is primarily used to provide	
Selected Answer:	▼ Confidentiality	
Answers:	Key exchange	
	Integrity	
	Non-repudiation	
	Confidentiality	
Question 3		1.5 out of 1.5 points
MAC is used to act	hieve	
Selected Answer:	Integrity	
Answers:	Confidentiality	
	✓ Integrity	



Question 6 1.5 out of 1.5 points

Consider this block cipher algorithm which encrypts data as blocks of 3 bits as shown in the table below:

encryption function

Input	output	
000	010	
001	011	
010	100	
011	101	
100	110	
101	111	
110	000	
111	001	

Encrypt the following message (M) using the above algorithm using **Electronic Code Book (ECB)** mode where block size = 3 M= 010101110

Selected Answer: 👩 100111000

Answers: _____ 100111000

100101110

00011010

101010001

Question 7 1.5 out of 1.5 points

Consider the following general code for allowing access to a resource:

```
if (dwRet == ERROR_ACCESS_DENIED)

{

// Security check failed.

// Inform user that access is denied.
} else {

// Security check OK.
}

Which security principle does this code violate?

Selected Answer: Fail-safe defaults

Answers: Defense in depth

Least privilege

Need to know

Fail-safe defaults
```

DWORD dwRet = IsAccessAllowed(...);