

# COMPUTER SECURITY STRATEGY

## SUMMARY

|                           |         |
|---------------------------|---------|
| Matched Branch:           | 0       |
| Partially Matched Branch: | 9       |
| Mismatched Branch:        | 7       |
| Extra Branch:             | 2       |
| Total Match:              | 23.53 % |
| Concept Match:            | 31.25 % |
| Link. Phr. Match:         | 10.53 % |
| Misconception:            | 100.0 % |
| Hierarchy Match:          | 11.19 % |

Grade: 11.57%

aspects of  
security strategy

Implementation  
and Mechanisms

Correctness  
and Assurance

Specification  
and Policy

illustrated  
by

portrayed  
by

characterized  
by

composed of

represented  
by

elaborated  
by

Method used  
by the security  
scheme

Security Implementation

Viability of security  
scheme

Assurance

Evaluation

Purpose of the security  
scheme

Security Policy

involves these  
four complementary  
courses of  
action

encompasses

defined by

involves

described  
by

depicted by

Prevention

Response

Detection

Recovery

Both the system  
design and  
system implementation

Degree of confidence  
one has that  
the security  
measures work  
as intended  
to protect  
the system  
and the information  
it processes

Testing and  
formal analytic  
or mathematical  
techniques

Process of examining  
a computer  
system with  
respect to  
certain criteria

Formal statement  
of rules and  
practices  
that specify  
or regulate  
how a system  
or organization  
provides security  
services to  
protect sensitive  
and critical  
system resources

for example

with the purpose  
of

for instance

for instance

Secure Encryption  
Algorithms

Upon detection,  
being able  
to halt an  
attack and  
prevent further  
damage

Intrusion  
Detection  
Systems (IDS)

Use of backup  
systems

with the result  
of

Prevent unauthorized  
access to  
encryption  
keys

with the purpose  
of

Detection of denial  
of service  
(DoS) attacks

considering  
these trade-offs

deliberating  
these factors

Ease or use  
versus security

Cost of security  
versus cost  
of failure  
and recovery

Potential threats and  
the likelihood  
of attacks

Value of the  
assets being  
protected

Vulnerabilities  
of the system