

# PUBLIC KEY ENCRYPTION REQUIREMENTS

SUMMERY	
Matched Branch:	0
Partially Matched Branch:	0
Mismatched Branch:	9
Extra Branch:	10
Total Match:	0.0 %
Concept Match:	0.0 %
Link. Phr. Match:	0.0 %
Misconception:	100.0 %
Hierarchy Match:	0.0 %

Grade: 0.0%

directly affects

characterized  
by

PUBLIC KEY  
ENCRYPTION  
APPLICATIONS

useful if  
either key  
can be used  
for each role

computationally  
infeasible  
for the opponent  
knowing public  
key and cipher  
to recover  
the original  
message

computationally  
infeasible  
for the opponent  
to determine  
the private  
key from the  
public key

computationally  
easy to create  
key pairs

computationally  
easy for the  
sender knowing  
the public  
key to encrypt  
messages

computationally  
easy for the  
receiver knowing  
the private  
key to decrypt  
messages

for instance

digital signatures

public key  
certificates

digital envelopes