Downloaded from www.examradar.com

All the Multiple Choice Question and Answer (MCQs) have been compiled from the books of Data Communication and Networking by the well known author behrouz A forouzan.

This Data Communication and Networking – **Network Security** multiple choice questions and answers (MCQ) PDF covers the below lists of topics.

1. Network Security Multiple Choice Question and Answer.

Practice now to sharpen your concept.

1. Message privacy A. confidentiality B. integrity C. authentication D. none of the about	means that the sender and the receiver expect
2. Message measurement of the above series. A. confidentiality B. integrity C. authentication D. none of the above	ans that the data must arrive at the receiver
<u> </u>	neans that the receiver is ensured that the om the intended sender, not an imposter



$Downloaded\ from\ \underline{www.examradar.com}$

C. authentication D. none of the above 4 means that a sender must not be able to deny sending message that he sent.	ng a
4 means that a sender must not be able to deny sending	ng a
	ng a
	ng a
	ing a
message that he sent.	
A. Confidentiality	
B. Integrity	
C. Authentication	
D. Nonrepudiation	
_	
5 means to prove the identity of the entity that tries to	1
access the system's resources.	
A. Message authentication	
B. Entity authentication	
C. Message confidentiality	
D. none of the above	
6. A(n) can be used to preserve the integrity of a	
document or a message.	
A. message digest	
B. message summary	
C. encrypted message	
D. none of the above	
D. Hone of the above	
7. A(n) function creates a message digest out of a message	sage.
A. encryption	
B. decryption	
C. hash	
D. none of the above	

$Downloaded\ from\ \underline{www.examradar.com}$

8. A hash function must meet	criteria.
A. two	
B. three	
C. four	
D. none of the above	
9. A message digest is u	ised as an MDC.
A. keyless	
B. keyed	
C. either (a) or (b)	
D. neither (a) nor (b)	
10. To authenticate the data ori	gin, one needs a(n)
A. MDC	
B. MAC	
C.either (a) or (b)	
D. neither (a) nor (b)	

Answer key for MCQ SET- 1	
Q-1	Correct Answer :confidentiality
Q-2	Correct Answer :integrity
Q-3	Correct Answer :authentication
Q-4	Correct Answer :Nonrepudiation
Q-5	Correct Answer :Entity authentication
Q-6	Correct Answer :message digest
Q-7	Correct Answer :hash
Q-8	Correct Answer :three

Downloaded from www.examradar.com

Q-9	Correct Answer :keyless
Q-10	Correct Answer :MAC

Network Security multiple choice questions and answers MCQ Set-2

1	1 . A signature is included in the document; a _	
si	signature is a separate entity.	
	A. conventional; digital	
	B. digital; digital	
	C. either (a) or (b)	
	D. neither (a) nor (b)	
2	2. Digital signature provides	
	A. authentication	
	B. nonrepudiation	
	C. both (a) and (b)	
	D. neither (a) nor (b)	
3	3. Digital signature cannot provide for the mes	sage
	A. integrity	
	B. confidentiality	
	C. nonrepudiation	
	D. authentication	
4	4. If is needed, a cryptosystem must be applie	d over the
	scheme	
	A. integrity	
	B. confidentiality	
	C. nonrepudiation	

	Downloaded from <u>www.examradar.com</u>
	D. authentication
	A digital signature needs a(n) system A. symmetric-key B. asymmetric-key C. either (a) or (b) D. neither (a) nor (b)
	A witness used in entity authentication is A. something known B. something possessed C. something inherent D. all of the above
on	In, a claimant proves her identity to the verifier by using e of the three kinds of witnesses A. message authentication B. entity authentication C. message confidentiality D. message integrity
cat	Password-based authentication can be divided into two broad tegories: and A. fixed; variable B. time-stamped; fixed C. fixed; one-time D. none of the above
	In authentication, the claimant proves that she knows a cret without actually sending it

Downloaded from www.examradar.com

- A. password-based
- B. challenge-response
- C. either (a) or (b)
- D. neither (a) nor (b)

10. Challenge-response authentication can be done using _____

- A. symmetric-key ciphers
- B. asymmetric-key ciphers
- C. keyed-hash functions
- D. all of the above

Answer key for MCQ SET- 2		
Q-1	Correct Answer :conventional; digital	
Q-2	Correct Answer :both (a) and (b)	
Q-3	Correct Answer :confidentiality	
Q-4	Correct Answer :confidentiality	
Q-5	Correct Answer :asymmetric-key	
Q-6	Correct Answer :all of the above	
Q-7	Correct Answer :entity authentication	
Q-8	Correct Answer :fixed; one-time	
Q-9	Correct Answer :challenge-response	
Q-10	Correct Answer :all of the above	



Downloaded from www.examradar.com

Network Security multiple choice questions and answers MCQ Set-3

1.	A(n)	is a trusted third party that assigns a symmetric key
to	two parties.	•
	A. KDC	
	B. CA	
	C.KDD	
	D. none of	the above
2.	A(n)	_ creates a secret key only between a member and the
ce	nter.	
	A. CA	
	B. KDC	
	C.KDD	
	D. none of	the above
4.		is a popular session key creator protocol that
re	quires an au A. KDC	thentication server and a ticket-granting server.
	B. Kerberos	
	C. CA	
	D. none of	the above
	2.110110 01	

$Downloaded\ from\ \underline{www.examradar.com}$

5.	. A(n)	_is a federal or state organization that binds a
		entity and issues a certificate.
_	A. KDČ	
	B. Kerberos	
	C.CA	
	D. none of th	e above
6.	. A(n)	is a hierarchical system that answers queries about
ke	ey certification	1.
	A. KDC	
	B. PKI	
	C.CA	
	D. none of th	e above
_		
		criterion states that it must be extremely difficult or
ım	- <u>-</u>	reate the message if the message digest is given.
	A. one-wayn	
		sion-resistance
	•	lision-resistance
	D. none of th	e above
8.	. The	_ criterion ensures that a message cannot easily be
fo	rged.	
	A. one-wayn	
	B. weak-colli	sion-resistance
	•	lision-resistance
	D. none of th	e above
9.	. The	criterion ensures that we cannot find two messages
th	at hash to the	same digest

EXAMRADAR.COM

4 COMPUTER SCIENCE

Downloaded from www.examradar.com

- A. one-wayness
- B. weak-collision-resistance
- C. strong-collision-resistance
- D. none of the above

Answer key for MCQ SET- 3		
Q-1	Correct Answer :KDC	
Q-2	Correct Answer :KDC	
Q-3	Correct Answer :session	
Q-4	Correct Answer :Kerberos	
Q-5	Correct Answer :CA	
Q-6	Correct Answer :CA	
Q-7	Correct Answer :one-wayness	
Q-8	Correct Answer :weak-collision-resistance	
Q-09	Correct Answer :strong-collision-resistance	